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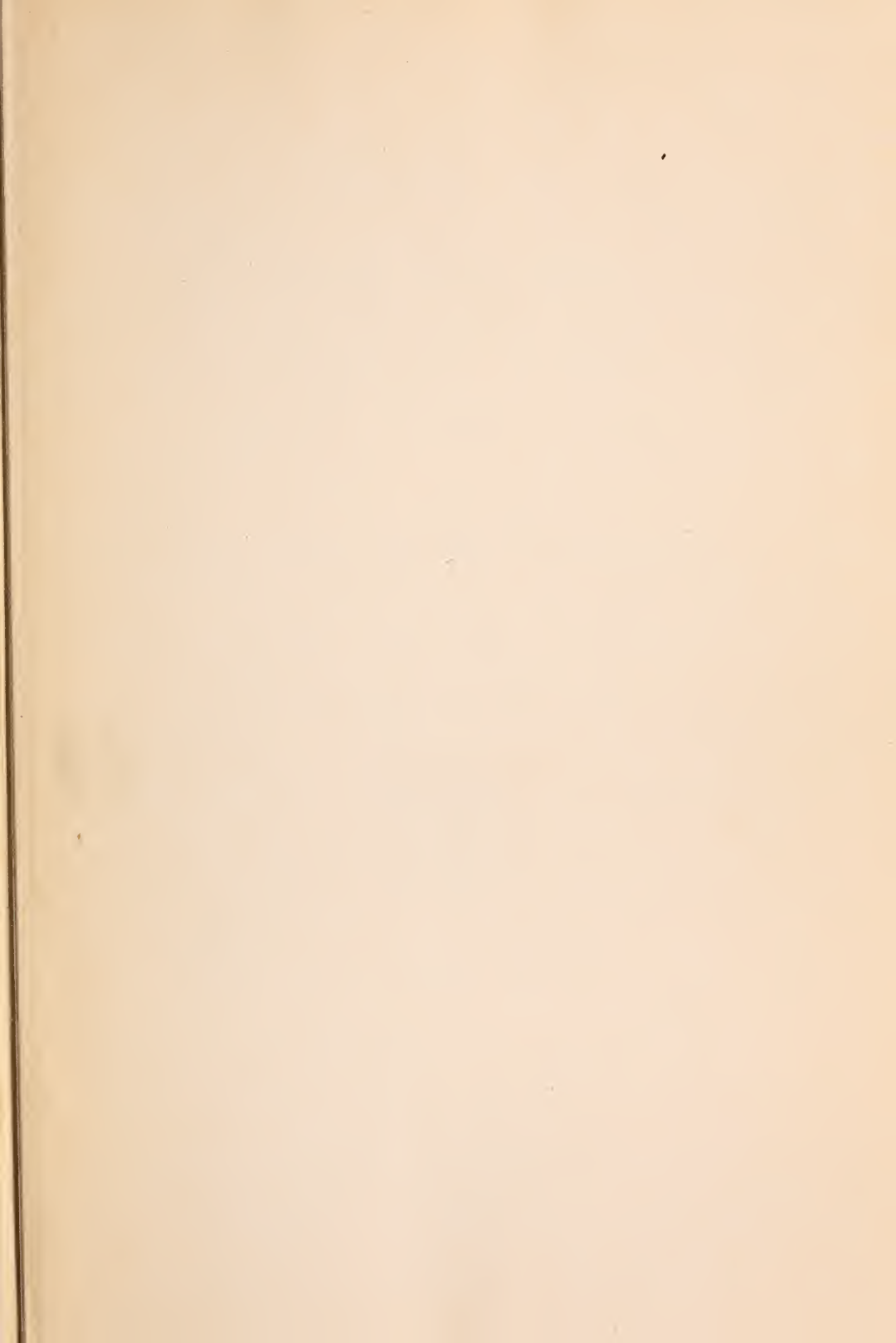
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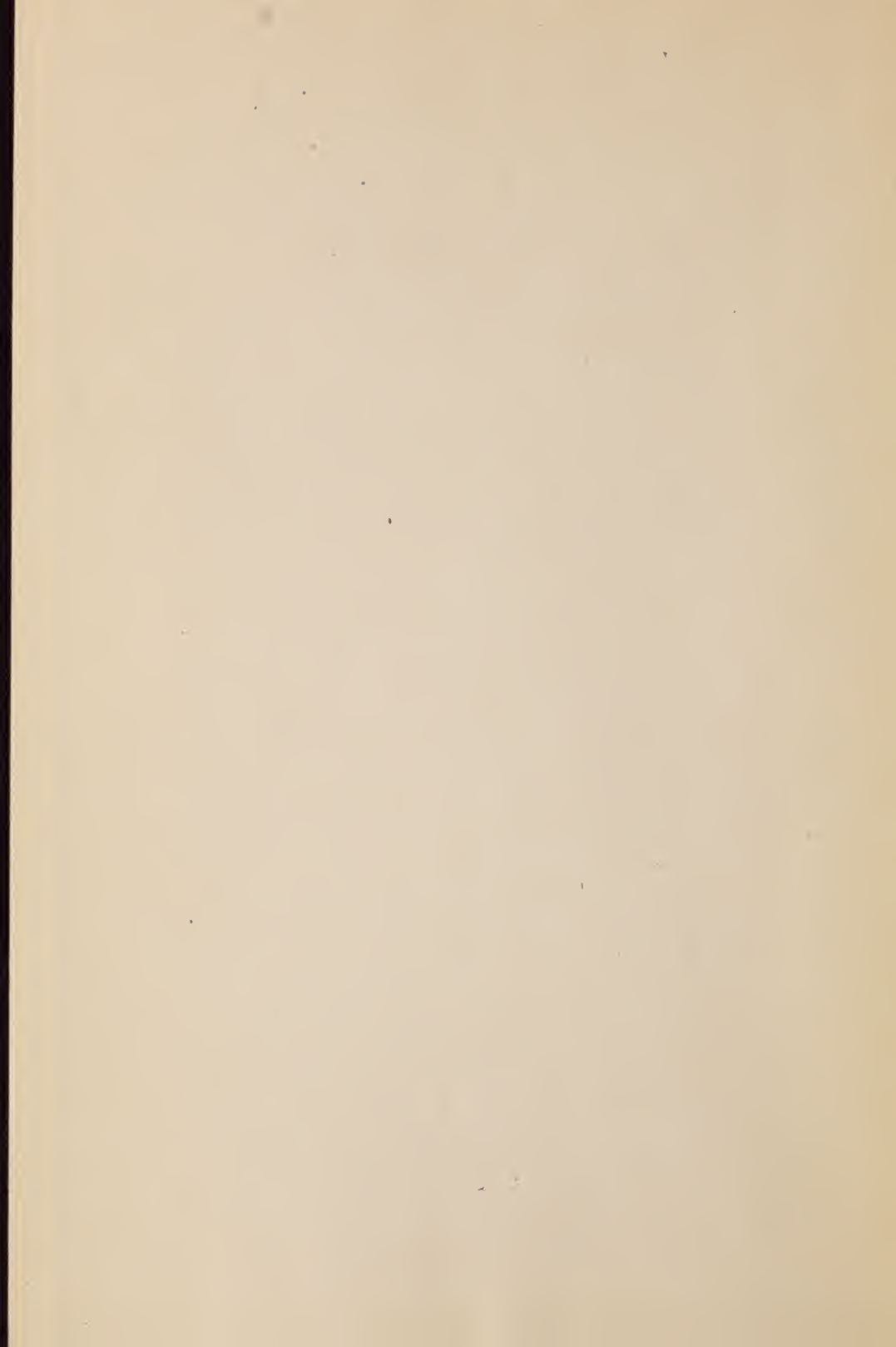


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DEPARTMENT OF WATER RESOURCES
—
THIRTY-SECOND BIENNIAL REPORT
OF THE
STATE ENGINEER
TO THE
GOVERNOR OF COLORADO
FOR THE YEARS
1943 - 1944







DEPARTMENT
OF
WATER RESOURCES

Thirty-second Biennial
Report

OF THE

STATE ENGINEER

TO THE

Governor of Colorado



For the Years 1943-1944

M. C. HINDERLIDER
State Engineer

BRADFORD-ROBINSON PRINTING CO.
DENVER, COLORADO
1946

LETTER OF TRANSMITTAL

Sir:

In compliance with provisions of law, there is transmitted herewith the Thirty-second Biennial Report of the Department of Water Resources for the years 1943 and 1944.

Respectfully,

M. C. HINDERLIDER,
State Engineer.

To His Excellency,
JOHN C. VIVIAN,
Governor



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LIST OF OFFICIALS AND EMPLOYEES DIVISION OF WATER RESOURCES

Office of State Engineer

M. C. Hinderlider.....	State Engineer
C. C. Hezmalhalch.....	Deputy State Engineer
L. T. Burgess.....	Chief Hydrographer
W. T. Blight.....	Chief Clerk and Draftsman
Jessie M. James (July 1-Oct. 31, 1943).....	Secretary-Stenographer
Philomena Johnson (Nov. 1-Nov. 14, 1943).....	Secretary-Stenographer
Mary A. Thomas (Nov. 15, 1943-Jan. 9, 1944).....	Secretary-Stenographer
Florence Flint (Jan. 20, 1944).....	Secretary-Stenographer
Wilma Moore.....	Stenographer
Charles J. Toner.....	Hydrographer Div. 1
F. C. Snyder.....	Hydrographer Div. 2
H. H. Knowlton.....	Hydrographer Div. 2
Glen E. Brees.....	Hydrographer Div. 3

IRRIGATION DIVISION ENGINEERS

Div. No. 1—J. E. Whitten.....	Denver
Div. No. 2—C. W. Beach.....	Pueblo
Div. No. 3—Roy B. Heilman.....	Alamosa
Div. No. 3—D. H. Mathias, Special Deputy.....	Monte Vista
Div. No. 4—Fred S. Hotchkiss.....	Montrose
Div. No. 5—L. C. Finley.....	Glenwood Springs
Div. No. 6—B. T. Chase.....	Steamboat Springs
Div. No. 7—J. R. Williams.....	Durango

WATER COMMISSIONERS

Div. No.	Dist. No.		
1	1	J. L. Samples.....	Fort Morgan
1	2	S. V. Wallace.....	Fort Lupton
1	3	W. J. McAnelly.....	Fort Collins
1	4	George S. Kral.....	Loveland
1	5	C. J. Maier.....	Longmont
1	6	T. L. Platt.....	Boulder

Div.	Dist.	
No.	No.	
1	7	A. E. Jones.....Golden
1	8	C. M. Hall.....Englewood
1	9	J. W. Van Gorden.....Morrison
2	10	J. M. Pribble.....Colorado Springs
2	11	J. A. Burnett.....Poncha Springs
2	12	D. S. Jones.....Canon City
2	13	Frank Kelling.....Westcliffe
2	14	Joseph Russ.....Pueblo
2	15	John Simonson.....Beulah
2	16	H. W. Craig.....La Veta
2	17	D. E. Heizer.....Rocky Ford
2	19	H. B. Bostick.....Trinidad
3	20	Joel Goodman.....Del Norte
3	21	No Commissioner
3	22	L. W. Sowards.....Manassa
1	23	J. Desserich.....Fairplay
3	24	Fares Gold.....San Luis
3	25	John Charles.....Crestone
3	26	Ira Colvin.....Saguache
3	27	Neal D. Jones.....Center
4	28	J. Roy Hicks.....Sargents
7	29	No Commissioner
7	30	George H. Tyner.....Falga
7	31	John English.....Bayfield
7	32	No Commissioner
7	33	Edward C. Kennedy.....Kline
7	34	Lee O. Reddert.....Mancos
3	35	E. F. Smith.....Blanca
5	36	No Commissioner
5	37	B. F. Long.....Eagle
5	38	P. K. Barthiel.....Carbondale
5	39	Charles E. Rauman.....Rifle
4	40	R. E. Robinson.....Cedaredge
4	41	Dexter B. Walker.....Montrose
4	42	George M. Saunders.....Mesa
6	43	Thos. Watkins.....Meeker
6	44	Cy. Hansen.....Craig
5	45	Lester H. Coulter.....Silt
1	47	Clarence Boston.....Walden
1	48	R. A. Mosier.....Jelm, Wyo.

Div. No.	Dist. No.		
2	49	No Commissioner	
5	50	C. C. De Graw.....	Kremmling
5	51	No Commissioner	
5	52	Carl Forster.....	Radium
5	53	Chas. Plasters.....	Gypsum
6	54	Frank D. Baxter.....	Slater
6	55	No Commissioner	
6	56	No Commissioner	
6	57	A. R. Goree.....	Hayden
6	58	Wilbur Rule.....	Steamboat Springs
4	59	Leon H. Dutemeyer (Com. at Large).....	Gunnison
4	60	K. R. Jacobs.....	Nuela
4	61	Chalmer M. Garber.....	Paradox
4	62	Leon H. Dutemeyer (Com. at Large).....	Gunnison
4	63	No Commissioner	
1	64	Pat Marsh.....	Sterling
1	65	J. Wilson Stewart.....	Laird
2	67	R. J. McGrath.....	Lamar
4	68	Dean S. Hainey.....	Ridgway
7	69	F. C. Hardman.....	Cedar
5	70	George Maxwell Anderson.....	DeBeque

CHAPTER I.**FINANCIAL STATEMENT****FEES RECEIVED BY OFFICE DURING BIENNIUM**

July 1, 1943 to June 30, 1945

Water Filings	\$2,045.00
Blueprints	355.30
Certifications	28.00
Examination Dam Plans	152.00
Office Labor	1.00
Filing Transfer Decrees	22.00
Recording Transfer Water Filings	2.00
Total	<u>\$2,605.30</u>

DEPARTMENT OF WATER RESOURCES
APPROPRIATIONS AND EXPENDITURES
July 1, 1943 to June 30, 1945

Biennium	Appropriated		Expended		Balance	
	1943-44	1944-45	1943-44	1944-45	1943-44	1944-45
Personal Services.....	\$114,960.00	\$57,480.00	\$53,741.80	\$55,083.92	\$ 3,738.20	\$ 2,396.08
Maintenance and Operation....	42,760.00	21,680.00	18,208.57	19,479.47	2,871.43	2,200.53
Capital Outlay	1,000.00	500.00	4.09	514.44	495.91	-14.44*

*Through transfer to Capital Outlay from Maintenance and Operation.

CHAPTER II.

ADMINISTRATION—GENERAL

Fewer problems of administration than usual were reported to this office by the seven Division Engineers, which doubtless was partially the result of the general adequacy of available water supplies during the biennium.

New problems were presented by the operation of the John Martin (Caddoa) Reservoir project on the Arkansas River, which materially changed former methods of administration of the river in Colorado and the regimen of former flows into Kansas. Temporary agreements between the two states and water users in Colorado covering the use of water stored in this reservoir required a daily accounting which, together with numerous reports to representatives of the water users, consumed a considerable portion of the time of the State Engineer.

During the summer of 1944, much time was also consumed in the preparation and presentation of testimony in connection with long-standing litigation in the District Court for Water District No. 11. The action in this case was brought by the Sunnyside Park Ditch Company to, among other things, restrain the water officials from interfering with the diversions of water by said ditch and also to compel the water officials to not only charge the owners of the Sugar Loaf, Twin Lakes, and Clear Creek Reservoirs with a greater percentage of loss of reservoir water in transit to points of diversion below Pueblo but also all of the losses from evaporation from the surfaces of these reservoirs, and other requirements. In general, the decision of the Court sustained the plaintiff in but two counts, viz., that it was the duty of the State Engineer to determine and require that charges be made to compensate the river for losses resulting from evaporation from the three reservoirs in question, and also losses in transit, of transmountain diversions.

In this connection, the State Engineer testified that charges for losses from evaporation from reservoirs have not been made because there is no statutory authority for such requirements. The Court held, however, that such charges were necessary for the protection of the property rights of all other appropriators whose rights may be affected.

A state-wide application of this requirement, should it become final, would impose upon the office a tremendous amount of additional work and, in our opinion, would invite continuous litigation between the owners of reservoirs and of decreed ditch appropriators who do not have reservoirs, and would upset a policy which has been followed in this state for 63 years. Fur-

thermore, the inadequacy of available data on evaporation, in many areas of the state, and the material variations in rates and amount of evaporation due to changes in altitude affecting temperatures, air currents, atmospheric pressures, and other factors which control the rate and extent of evaporation, would make impossible an accurate determination of such losses.

On April 24, 1944, the Supreme Court of Colorado handed down its decision (112 Colorado, Page 277), in the long-litigated case of Zimmerman v. Hinderlider et al, which sustained the previous decision of the District Court. This case had been decided twice by the District Court in favor of the water officials and, in various phases, had been before the Supreme Court for the third time. The last decision of the Supreme Court was a complete refutation of plaintiff's charges of alleged wrongful acts of the water officials.

Due to wartime conditions and restrictions, repairs to storage dams, diversion works, and measuring devices were reduced to bare necessities and, for the same reasons, travel within and without the state was held to a minimum.

Above-normal quantities of water stored in reservoirs within the past biennium subjected many of the larger earth dams to severe tests, but extensive repairs to several of these dams made in recent years, together with constant inspection and supervision of storage, prevented any failures.

During the biennium, the State Engineer, as an ex-officio member, attended practically all meetings of the State Planning Commission, the Water Conservation Board, and the State Board of Examiners for Engineers and Land Surveyors. In addition, he also attended the Fourth and Fifth Annual Meetings of the Rio Grande Compact Commission which, respectively, were held in Denver on February 24-25, 1943 and in Santa Fe on February 24-25, 1944, and also a called meeting at Santa Fe on December 16, 1944. He also attended two annual meetings in Denver of the Association of Western State Engineers and of the National Reclamation Association. No meetings of the Irrigation District Commission and of the Public Irrigation District Commission, of which the State Engineer is a member, were held.

The 34th General Assembly placed the Water Commissioners and their Deputies on the state payroll beginning July 1, 1943, and made an appropriation of \$248,000.00 for the payment of their salaries and per diems for the fiscal period July 1, 1943 to June 30, 1945. These officials receive no compensation to cover travel or other expenses. This legislation placed upon the office, without provision for additional assistance, the duty of auditing the monthly salary accounts of some 120 Water Commissioners

and Deputies, which audit requires deductions for purchases of war bonds, retirement, and, in many instances, for hospital and sick benefits and life insurance.

The Legislature made an appropriation of \$160,970.00 for the fiscal period 1943-45 for the administration of the Division of Water Resources (State Engineer's Office) which was an increase of \$23,490.00 over the appropriation for the previous biennium. Under normal conditions, the office could have used a larger appropriation in the interests of the water users of the state, but under wartime conditions, the office, as usual, has kept its expenditures well within its appropriations.

Demands upon the office in connection with the accounting for, and administration of trans-basin diversions of water are increasing. The anticipated early completion of the huge Northern Colorado Conservancy District project by the U. S. Bureau of Reclamation will place upon the office many new problems which will require additional assistance, both in the field and office, and also additional facilities for the measurement and proper accounting of these trans-basin diversions, for the proper protection of all water users in the areas from which the waters are diverted, and also for the delivery of these waters to the rightful users thereof on the eastern side of the Continental Divide. These and many other duties will require increased appropriations. To meet these additional demands, the present Legislature will be asked for an appropriation of \$188,130.00 for the new fiscal period, which is an increase of \$27,160.00, or about 17 per cent over our appropriations for 1943-45.

Cooperation with Federal, State, and Other Agencies:

The State Engineer's office continued its previous program of cooperation with the U. S. Geological Survey covering stream gaging work and related matters, which has been quite satisfactory. At the present time, this cooperative agreement covers the maintenance of some 225 stream gaging stations, all of which are equipped with standard devices prescribed by the U. S. Geological Survey. In addition to the above, cooperation by the State Engineer's office extends to the operation of 70 other stream gaging stations, temporarily maintained for obtaining essential stream flow data required by the U. S. Bureau of Reclamation, the Corps of U. S. Engineers, the Colorado Water Conservation Board, and certain municipalities. At the present time, substantially 33% of all appropriations by the Legislature to the State Engineer's office, exclusive of appropriations to pay salaries of Water Commissioners and their Deputies, is used for stream gaging and compilation of records for publication.

CHAPTER III.

WATER SUPPLY AND CROP CONDITIONS

1943

Early prospects for adequate water supplies in 1943, as a result of light snow deposits in the high areas of the state, were very unfavorable. While these adverse conditions were greatly improved by the occurrence of heavy snows throughout the state by May 1, measurements of stream flow during the year disclosed that runoff averaged but 85% of normal, varying from 95% in the South Platte Basin to 68% in the Rio Grande Basin.

These adverse conditions, however, were largely offset by abnormal amounts of water held in storage reservoirs at the beginning of the irrigation season, or which were stored during the period of maximum stream flow in 1943.

Reservoirs in general were filled to capacity, except those in the Rio Grande drainage basin, where very little water was available for storage. Timely rains in many areas of the state also compensated for shortage in stream flow during the latter part of the season.

Although abnormally low temperatures throughout the state in May threatened to seriously curtail planting and crop yields, crops throughout the state and prices received therefor and for livestock were, in general, very satisfactory.

1944

As in the early part of 1943, the outlook for adequate water supplies based upon snowfall, was most unfavorable. Snow deposits in the high mountains were far below normal. Fortunately, however, these adverse conditions, as in 1943, were relieved by copious snowfall throughout the state prior to April 1, which resulted in one of the most favorable years of water supply of record and which enabled practically every storage reservoir to fill to capacity. Runoff ranged from 122% in the San Juan Basin to 77% in the main Colorado River Basin of long time mean runoff.

Stream flow throughout the state during the latter part of the season decreased to abnormally low stages, which would have resulted in serious crop losses, had it not been for the unusually large quantity of water furnished by the more than 1,500 storage reservoirs throughout the state.

As in 1943, crop returns and prices received for practically all farm produce and livestock, due to wartime conditions, were quite satisfactory.

There were no major floods during the biennium, although serious damages occurred on the Mancos and Dolores Rivers to diversion dams and headgate structures, as a result of unusually high water.

Due to wartime conditions, there was a severe shortage in farm labor, which, however, was partially relieved by prisoner-of-war labor and by the cooperation of local agencies.

For more detailed reports of climatological and crop conditions throughout the state during the biennium, see reports of the Irrigation Division Engineers, Chapter XIV.

CHAPTER IV.

TRANSMOUNTAIN DIVERSIONS OF WATER

Name of Diversion	Diversions in Acre Feet	
	1943	1944
Colorado River Basin to Arkansas River Basin:		
Ewing Ditch	0	0
Busk-Ivanhoe Tunnel	4,930	2,063
Independence Pass Tunnel.....	48,116	36,326
Fremont Pass Ditch.....	364	0
Wurtz Ditch.....	2,548	1,819
Columbine Ditch.....	1,165	135
Total	57,123	40,343
Colorado River Basin to South Platte River Basin:		
Grand River Ditch.....	17,525	16,629
Moffat Tunnel (Denver).....	32,669	16,196
Williams River Tunnel (Denver).....	4,023	3,941
East Hoosier Pass Ditch.....	0	0
West Hoosier Pass Ditch.....	0	0
Eureka Ditch.....	134	95
Berthoud Pass Ditch.....	554	430
Boreas Pass Ditch.....	0	0
Total	54,905	37,291

Divisions in Area
Feet

Name of Division	1943	1944
North Platte River Basin to Cache la Poudre River Basin:		
Michigan Creek Ditch.....	1,537	1,797
Cameron Pass Ditch.....	0	186
Total	1,537	1,983

Laramie River Basin to Cache la Poudre River Basin:

Laramie Poudre Tunnel.....	8,955	9,082
Skyline Ditch.....	9,769	10,576
Deadman Ditch.....	0	0
Lost Lake Ditch.....	504	217
Columbine Ditch.....	0	0
Bob Creek Ditch.....	0	0
Total	19,228	19,875
Sand Creek to Cache la Poudre.....	1,141	1,705

Colorado River Basin to Rio Grande River Basin:

Treasure Pass Ditch.....	200	38
Spring Creek Ditch.....	237	77
Piedra Ditch.....	174	
Squaw Pass Ditch.....	190	154
Raber Lohr Weminuche Pass.....	2,073	548
George Fuchs Weminuche Pass.....	958	220
Total	3,832	1,037

The above figures are taken from the Annual Reports of the Irrigation Division Engineers, which the law requires be submitted to the State Engineer in November of each year.

Any material differences in the above figures and those compiled by the Hydrographic Division of the State Engineer's Office, which are based on a water year (October 1-September 30), are due to the use of calendar years by the Division Engineers and of water years by the Hydrographic Division.

CHAPTER V.

STORAGE RESERVOIRS AND DAMS

Appropriations of Water for New Reservoirs:

During the biennium, 34 statements of claim of appropriation of water for the following storage reservoirs in the aggregate amount of 52,988 acre-feet were accepted for filing in this office. These appropriations were exclusive of appropriations covering stock water tanks or small reservoirs for similar purposes.

Name of Reservoir	Capacity in Acre Feet	Water District	Source of Supply
Ramstetter No. 1.....	13.39	7	Dry Creek
Cochiara Reservoir.....	95.47	10	Jimmy Camp Creek
Perrin Reservoir.....	13.10	7	Waste and Seepage
Banning-Lewis No. 8.....	115.32	10	Jimmy Camp Creek
Von Spring No. 2.....	248.19	38	East Coulter Creek
Lake Katherine.....	291.7	47	South Fk. Lone Pine Crk.
Deakin No. 1.....	10.15	1	East Fork Sand Creek
Deakin No. 2.....	61.60	1	East Fork Sand Creek
Peavey.....	35.42	58	Smith Creek
Pilot Knob.....	24.78	58	Spring
Highland Mary.....	650.0	30	Cunningham Creek
Wise Enl. of D. D. & E.....	1,010.0	44	Grade and Hulett Creeks
Alma M. Baer.....	2.60	58	Fish Creek
Olga R.....	22.63	7	West Fork of Clear Crk.
Aqua Fria.....	549.98	47	Beaver Creek
Joe and Elvera Gagliardi.....	217.64	19	Barney Creek
Pubelo's Tennessee Creek.....	12,230.0	11	Tennessee Creek
Roland Reid.....	45.55	58	Willey Gulch
Robinson Enlargement.....	3,668.0	36&37	Ten Mile Crk. and Tribs.
Enlargement Big Evans Gulch No. 2.....	189.4	11	Evans Gulch
Enlargement Leggett.....	1,224.7	6	Boulder and South Boulder Creeks
Averson.....	0.18	17	Spring
Johnson.....	0.54	8	Seepage
Twin Lakes.....	147.7	5	Dry Creek
Blecha-Selbe.....	308.1	58	South Fork Fish Creek
First Enlargement McMahon No. 2.....	3,589.0	50	Red Dirt Creek
Marterman.....	38.2	40	Little Cow Creek
Morris No. 2.....	30.1	40	Tributary Tongue Creek
Hilles.....	92.9	40	Tributary Young's Creek
Reynolds-Ox Bow.....	39.96	16	Doyle Arroya
Tolle.....	38.17	14	Long Branch Creek
Elk River.....	27,800.0	58	Elk River
W. D. Cunningham.....	76.11	43	Bear Creek
Parsons.....	107.35	50	Carter Creek

Old dams for which plans and specifications for repairs were approved in 1943 and 1944:

Name of Reservoir	Water District	Type of Dam	Maximum Height in Feet	Nature of Repairs
Lower Latham.....	2	Earth	21.0	Reslope lower face, drainage, and repairs to spillway
North Poudre No. 3.....	3	Earth	28.2	New outlet and repairs to old outlet
Bergen No. 2.....	9	Earth	36.0	Reslope lower face, and new drainage system
Tucker Lake (South Dam).....	7	Earth	24.0	Reslope and riprap water face and raise crest
Leggett.....	6	Earth	28.0	Reslope and riprap water face, raise crest; also interconnection with Hillcrest Reservoir

New dams for which plans and specifications were approved in 1943 and 1944:

Name of Reservoir	Water District	Type of Dam	Maximum Height in Feet	Res. Cap. in Acre Feet
Fruita No. 2.....	42	Earth	21.0	25.97
Ramstetter No. 1.....	7	Earth	20.0	13.39
Hallenbeck No. 2.....	42	Earth	33.0	464.40
Von Springs No. 2.....	38	Earth	20.0	248.19
Lake Katherine.....	47	Earth	12.0	291.70
Banning and Lewis No. 8.....	10	Earth	21.8	115.32
Anderson Brothers No. 1.....	42	Earth	....	52.92
Anderson Brothers No. 2.....	42	Earth	....	....
Aqua Fria.....	47	Earth	17.5	549.98
Gagliardi	19	Earth	19.75	217.64
Wildcat	38	Earth	22.00	169.83
Robinson Lake.....	37	Earth	93.00	3,668.00
Twin Lakes.....	6	Earth	18.7	147.70
McMahon No. 2.....	50	Earth	43.0	3,589.00
Water Supply and Storage No. 3.....	3	Earth	40.66	....
Tolle	14	Earth	13.0	38.17

1943

Dam Failures	Dam Repairs	New Dams
Division 1...None	Usual minor repairs	
Division 2...None	Nominal	
Division 3...None	Nominal	None
Division 4...None	Cedar Mesa	Hallenbeck
	Several on Grand Mesa	
Division 5...None	None	Green Mountain Dam Comp.
Division 6...None	None	
Division 7...None	Betterments to channel outlet Ground Hog and measuring flume. Reinforced earth dam of Bauer Lake No. 1	Progress on construction Jackson Gulch Reservoir by U.S.B.R.

1944

Division 1...None	Usual nominal repairs	Plans approved for Water Supply and Storage Company Reservoir No. 3
Division 2...None	Usual nominal repairs	
Division 3...None	Usual nominal repairs	
Division 4...None	Anderson and Cedar Mesa	None
Division 5.....		
Division 6.....		
Division 7...None	To face of Cascade Dam	Work on Jackson Gulch by U.S.B.R.

Construction of the large earth dam on the North Fork of the Poudre River by the City of Greeley which has been in progress for the past four years was completed with the exception of some excavation in the spillway.

The United States Bureau of Reclamation completed and placed in operation the Green Mountain Dam, a large earth and loose rock fill structure located across the Blue River, together with its hydro-electric power plant. This reservoir has a capacity of 152,000 acre feet, of which 52,000 acre feet will be primarily for irrigation uses and 100,000 acre feet for power development.

Construction, on a limited basis, was also carried on by the Bureau at the Granby dam site on the Colorado River. This reservoir, which will have a capacity of 483,000 acre feet, will constitute the principal storage basin for the Alva B. Adams thirteen mile tunnel which will deliver water to the eastern

side of the Continental Divide for relieving present water deficiencies in the Northern Colorado Conservancy District, and also for the development of hydro-electric energy. Excavation of the tunnel was completed in 1944 and lining of the tunnel with concrete is now in progress.

The Bureau also completed the Vallecito storage reservoir on Pine River and placed the same in operation. This reservoir, which has a capacity of about 126,000 acre feet, will provide flood control and supplemental water supplies for Indian lands and for the Pine River Irrigation District.

The Bureau also continued work in a limited way on the Jackson Gulch Reservoir, on a tributary of the Dolores River.

The John Martin Dam across the Arkansas River, constructed by the Corps of U. S. Engineers, was completed, with the exception of the huge radial gates, which are to be installed on top of the spillway section of the dam, which work was temporarily suspended by wartime restrictions. With the completion of this installation, the reservoir will have a capacity of 655,000 acre feet, making it the largest reservoir in the state. The present capacity is 288,000 acre feet, of which 100,000 acre feet has been temporarily reserved for conservation purposes. With the final installation of the spillway gates, the capacity of the conservation pool will be increased to about 385,000 acre feet.

This reservoir provided about 35,000 acre feet of storage in 1943 and 128,000 acre feet in 1944—which furnished needed supplemental water supplies for use in both Colorado and Kansas.

CHAPTER VI.

SUMMARY OF FILINGS IN STATE ENGINEER'S OFFICE COVERING LIVESTOCK WATER TANKS

As of December 31, 1944

(Act of 1941)

Notices of Construction (Tanks built prior to April, 1941):

Total number filed.....	1,227
Number paying fee.....	882
Number not paying fee.....	345

Applications for Construction (To be built after April, 1941):

Total number filed.....	1,168
Number paying fee.....	1,110
Number not paying fee.....	58
Total notices and applications.....	2,395

All government agencies exempt from payment of filing fees and therefore not charged. Application for construction accepted without fees from other claimants where capacity of tanks was under two acre feet and dams were less than five feet high.

Cash balance in fund December 31, 1944.....\$1,436.78

CHAPTER VII.

ADMINISTRATION OF INTER-STATE AGREEMENTS

Arkansas River:

In 1933, during the pendency of the suit in the Supreme Court of the United States between Colorado and Kansas over the waters of the Arkansas River, the representatives of the two states entered into a stipulation providing for a temporary division of the natural flow of the river and also of any water which might be made available through the construction of the then contemplated Caddoa Reservoir, now known as the John Martin Reservoir Project.

Among other things, this stipulation provided for an allocation to Kansas for delivery at the Colorado-Kansas State Line of 77,000 acre feet of divertible and usable water annually, of which 52,000 acre feet were required to be delivered during the period April 1 to October 1, and 25,000 acre feet during the period October 1 to April 1 of the succeeding year, all upon demand of Kansas. This stipulation allocated to Colorado for use below the proposed reservoir, 160,000 acre feet annually and provided that, in the event the natural flow of the river should be insufficient to supply these allocations, the water supplies of the river would be pro-rated between the two states in the relation of the above allocations also that all additional water which might be impounded in the reservoir, except the amounts discharged for flood control purposes and not beneficially used, should be considered surplus water, which was allocated equally to the two states.

The stipulation also provided that Colorado ditches above the proposed reservoir might share in Colorado's portion of any surplus water stored in the reservoir, through an exchange with Colorado ditches below the reservoir.

At the end of 1942, the reservoir had been completed to a capacity of about 288,000 acre feet and by April 15, 1943, there had accumulated in the reservoir 47,381 acre feet, which, after deductions for unavailable capacity below the outlet valves and for sedimentation, left about 35,000 acre feet to be used for supplementing natural stream flow to assist in meeting the aforementioned allocations of water to the two states.

In order to maintain the status quo of past uses of water in Colorado below the reservoir, required by the stipulation, and to place such uses on a comparable basis with past average historic uses in Kansas, it was agreed that of the 160,000 acre feet allocated to Colorado, 117,900 acre feet were for use during the period April 1 to October 1, and 42,100 acre feet for use between October 1 and April 1 of the succeeding year.

By agreement with the Corps of U. S. Engineers, which has supervision over the operation of the John Martin Dam, 100,000 acre feet of the then available capacity of the reservoir was allocated for conservation purposes, the remaining 188,000 acre feet being reserved for regulation of floods, pending the completion of the dam and reservoir to its final capacity of about 655,000 acre feet.

For the effective administration of Colorado's allocation of the natural flow of the river during the irrigation season of 1943, as supplemented by waters captured in Caddoa Reservoir, it was necessary that the Colorado ditches below the reservoir temporarily refrain from calling for water in accordance with their decrees and to accept, in lieu thereof, deliveries of water upon an acre-foot basis and upon a predetermined monthly schedule of deliveries, with certain permissible monthly and seasonal deviations therefrom with the understanding, however, that, when no further water was available for deliveries out of Caddoa Reservoir, the administration of the river would revert to a priority basis. This arrangement was agreed to by representatives of the Colorado ditches diverting below Caddoa Reservoir, and was carried out by this office during the irrigation season of 1943.

Releases of water from John Martin Reservoir began on April 13 and continued until July 29, when the Reservoir was empty, immediately following which, administration of the river in Colorado was placed on a priority basis.

Diversions of water from the river in Colorado for use in Water District 67 for the period April 1 to October 1, 1943 amounted to 118,018 acre feet, which was 118 acre feet in excess of their allocation of 117,900 acre feet under the stipulation and subsequent agreements, and 4,027 acre feet more than their average historic diversions.

Deliveries of divertible and usable water to Kansas amounted to 57,930 acre feet, which was 5,930 acre feet in excess of the allocation of 52,000 acre feet to that state, and 4,296 acre feet in excess of average historic diversions out of the Arkansas River in Kansas, exclusive of diversions by the two small Alamo and Ft. Aubrey ditches.

By exchange with senior ditches below the reservoir, some of the Colorado upstream ditches materially increased their

average historic diversions, while others diverted less water than their average past diversions. This was largely due to the regimen of stream flow which prevailed.

The records show that the total increased diversions in 1943 out of unregulated river flow by Colorado ditches over average historic diversions, were 5,285 acre feet, compared with increased diversions in Kansas of 4,296 acre feet above historic average diversions; also deliveries to Kansas in excess of the stipulated requirements of 5,930 acre feet and 5,884 acre feet in excess of Kansas' rightful proportion of all diversions by Colorado ditches below the reservoir in 1943. The average of these three additional deliveries to, and uses of water by, Kansas ditches, therefore, appears to have been but 85 acre feet more than the total amount of increased uses of water in 1943 by the 17 Colorado ditches involved.

On December 6, 1943 the Supreme Court of the United States handed down its decision in the case of Colorado v. Kansas, which confirmed past uses of waters of the Arkansas River in Colorado. As a result of this decision, it became necessary for the two states to reach an agreement covering the use in 1944 of water which had accumulated in Caddoa Reservoir since the fall of 1943.

Following several inter-state conferences, the following telegram was received by the Attorney General of Colorado from the Attorney General of Kansas on August 10, 1944:

"Responding to your telephone inquiry on Kansas attitude toward release of stored water in Caddoa Reservoir, Kansas water users have agreed to proposal discussed at Omaha that as to the water now in storage, when water is released for the users in Colorado below Caddoa, a regulated supply equal to one-half of such releases be maintained at the state line and we are advising the United States Engineers accordingly."

To the foregoing telegram, the Attorney General of Colorado sent the following reply:

"Re Arkansas River merely by way of compromise to apply only for the remainder of the crop season Colorado accedes to proposal set forth in your telegram of August 10, 1944. Am now advising Colonel Cole to that effect."

It should be noted in this connection that the above agreement covered only releases of water stored in Caddoa Reservoir which on August 1 amounted to 111,800 acre feet, and in no way affected the right of Colorado ditches to divert and use the unregulated flow of the river, as in the past years.

By agreement between the two states and the Corps of U. S. Engineers, as in 1943, the administration of the waters stored in Caddoa Reservoir was placed in the hands of the State Engineer of Colorado.

Pursuant to requests for additional water to supplement low stream flow, releases of water from Caddoa Reservoir started at 4:30 p. m. August 13, with a discharge from the reservoir of about 850 second feet.

Almost immediately following the first release of water, differences of opinion arose with the officials of Kansas over the interpretation of the understanding which was to control inter-state uses of water stored in the reservoir. Following due consideration by the officials and water users in Colorado, the matter was left to the State Engineer of Colorado to exercise his judgment to best meet the needs of growing crops in both states. Prior to releases from the reservoir on August 13, 1944, deliveries of water at the state line in divertible and usable quantities had amounted to almost seven times the amount of the average historic diversions by ditches in Kansas.

Releases from Caddoa Reservoir were increased to a maximum of 1,954 second feet by August 17, to overcome large losses in transit between the reservoir and the state line, and thereafter continued at an average of about 1,800 second feet until September 1 — following which releases were gradually reduced on September 30 to the natural inflow to the reservoir. Following September 30, administration of the river in Colorado reverted to a priority basis.

Based on the Daily River Reports, 109,802 acre feet were released from storage in Caddoa Reservoir between August 13 and September 29, inclusive. Deliveries at the state line from all sources from August 16 to September 30, inclusive, amounted to 57,130 acre feet, or 2,229 acre feet in excess of the amount which the officials of Kansas claimed was due Kansas under their interpretation of the inter-state agreement covering the administration of the reservoir in 1944. This excess 2,229 acre feet was the result of abnormal accretions at the state line through the Holly Drain. Under normal conditions of operation, deliveries at the state line would have been almost exactly one-half of the releases from Caddoa Reservoir.

The use of the 109,800 acre feet from Caddoa Reservoir provided an ample and well-regulated water supply to the ditches in Kansas for the period August 14 to September 30, and, in addition, about 20,000 acre feet to the Colorado ditches below the reservoir in excess of their average historic diversions. The reservoir supplies also enabled some ditches above the reservoir to increase their normal diversions by substantial amounts. No material criticisms of the administration of the inter-state agreement were heard.

This office received excellent cooperation from Lt. Col. R. E. Cole, District Engineer, U. S. Corps of Engineers, and his assistants at the John Martin Reservoir Dam, during the biennium, covering storage and releases of water from this project.

CHAPTER VIII.

ADMINISTRATION OF INTER-STATE RIVER COMPACTS AND UNITED STATES SUPREME COURT DECREES

La Plata River Compact—Colorado-New Mexico:

This Compact which became effective in 1923, has, since 1926, been efficiently administered under the general supervision of this office by Division Engineer J. R. Williams with commendable ability and without friction between the two states and with little friction between the water users thereof. Due to the general inadequacy of the water supplies furnished by this stream to meet existing needs during most of the irrigation period, and to the erratic nature of the same, successful administration of this stream under the requirements of the Compact, requires not only a full knowledge of the physical conditions affecting daily water supplies and needs of the water users, but also the ability to properly evaluate the same, often under most trying conditions, which calls for the exercise of sound judgment and plenty of good "horse sense."

Complete reports of administration for the past 18 years are on file in this office.

South Platte River Compact—Colorado-Nebraska:

This Compact, which became effective in 1926, requires certain deliveries of water to but one ditch in Nebraska. Such deliveries are handled by the Water Commissioner of Water District 67 under the direction of the Division Engineer. No friction has ever arisen as a result of the administration of the Compact.

Rio Grande Compact—Colorado-New Mexico-Texas:

This Compact became operative on January 1, 1940. It is administered by the Rio Grande Compact Commission, consisting of the State Engineers of Colorado and New Mexico and a Representative of Texas.

Two annual and one called meeting of the Rio Grande Compact Commission were held within the past biennium.

One June 1, 1944, the Commissioner for New Mexico made formal request of the Commission for a review of New Mexico's

schedule of deliveries of water required by the Compact, with the view of changing New Mexico's present schedule from a nine-months to a twelve-months basis. At the time the Compact was negotiated, sufficient data on stream flow were not available for the months of July, August, and September, which made it necessary to eliminate those months in establishing schedules of deliveries of water at San Marcial, by New Mexico.

Pursuant to this request, the Commission convened at Santa Fe on December 16, 1944 and, following a discussion of the basis of the claims of New Mexico in support of the state's position, the Commission referred the matter to its three engineer advisers for further study and report to the Commission.

At the end of 1943, Colorado had a debit in deliveries of water required by the Compact of 28,700 acre feet and New Mexico had a debit of 59,200 acre feet, while releases of usable water from Elephant Butte Project Storage aggregated 913,300 acre feet, or 115,900 acre feet in excess of normal release of 790,000 acre feet designated by the Compact.

At the end of 1944, Colorado had an accrued credit of 83,500 acre feet and New Mexico an accrued credit of 136,600 acre feet, while releases of usable water from Elephant Butte Project Storage during the year were 75,600 acre feet in excess of a normal release of 790,000, which resulted in accrued over-releases of 191,500 acre feet at the end of the year.

The total cost of administration of the Compact for the fiscal year ending June 30, 1943, was \$17,466.82, of which \$5,800 was borne by Federal cooperating agencies. The balance of \$11,666.82 was shared equally by the three states.

The total cost of administration of the Compact for the fiscal year ending June 30, 1944, was \$17,304, of which \$5,800 was borne by cooperating Federal agencies. The balance of \$11,504 was shared equally by the three states.

The administration of the Compact for the past biennium has been without friction between the three states.

Republican River Compact—Colorado-Kansas-Nebraska:

This Compact, which became effective in 1940, places the administration of the same in the offices of the State Engineers of the three states. Other than the collection of records of stream flow required by the Compact, no administration of the Compact was required during the biennium and probably will not be required, pending construction of conservation works in Colorado, Kansas, and Nebraska.

Costilla Creek Compact—Colorado-New Mexico:

A Compact between Colorado and New Mexico covering the use of the waters provided by Costilla Creek was signed by the Commissioners representing the two states on December 30, 1944, and has been ratified by the Legislatures of the two states. While the total quantity of water involved is not large, the voluminous and intricate provisions of the proposed Compact may make the administration of the same very difficult.

It is now anticipated that negotiations will be initiated at an early date looking to a Compact between Colorado and Wyoming covering the use of waters of the Little Snake River in northwestern Colorado.

Laramie River—U. S. Supreme Court Decree:

The administration of waters of the Laramie River to Colorado users in 1943-44 was pursuant to the agreement entered into in 1942 between the Meadowland appropriators in the Laramie River Basin in Colorado and the appropriators who divert water from that basin into the Cache la Poudre River. This agreement allocates equally to these two interests the 39,750 acre feet fixed by the United States Supreme Court as Colorado's portion of the waters of the river (see Biennial Report of State Engineer for 1941-42).

As in the previous biennium, the administration in 1943-44 was carried out under the direct and efficient supervision of Division Engineer J. E. Whitten, with little or no friction with local water users or with the officials of Wyoming, and resulted in the most efficient use of the water available to Colorado.

Total diversions by the Meadowland users and Transmountain Diversion interests in 1943 amounted to 19,310 and 19,228 acre feet, respectively—or a total of 38,538 acre feet.

In 1944 diversions by the Meadowland ditches and Transmountain Diversion interests amounted to 19,843 and 19,875 acre feet, respectively—or a total of 39,718 acre feet. Reports of Colorado diversions for the two years were furnished to the State Engineer of Wyoming.

It is expected that the present agreement between Colorado interests will be continued for the season of 1945.

The agreement with Wyoming covering the use of the water of Sand Creek which has been in effect since 1938, was administered for the biennium without friction.

North Fork of Republican River—U. S. Supreme Court Decree:

No complaints were received by this office concerning the administration of the provisions of the decree of the United States District Court as confirmed by the United States Supreme Court, defining the inter-state uses of water diverted by the Pioneer Ditch for use in Colorado and Nebraska.

CHAPTER IX.

UNITED STATES-MEXICO WATER TREATY

By Clifford H. Stone, Director,
Colorado Water Conservation Board

The United States of America and the Government of the United Mexican States on November 8, 1945 signed the protocol of exchange of ratifications by the respective countries of a treaty, signed at Washington on February 3, 1944, relating to the utilization of the waters of the Colorado and Tijuana rivers and of the Rio Grande from Fort Quitman, Texas to the Gulf of Mexico. This treaty was ratified by the United States Senate on April 18, 1945 and by the Mexican Senate on September 27, 1945. The resolution of ratification, adopted by the United States Senate, contained certain provisions expressing intent and clarifications of language. There was no amendment or reservation changing the terms of the treaty.

The two countries on the 14th day of November, 1944 signed a protocol to the treaty which provided that the jurisdiction of the International Boundary Commission and its two sections shall be confined to works on or along the boundary and to those devoted exclusively to the performance of treaty functions. The ratification of the treaty included ratification of the protocol.

The Colorado River and the Rio Grande arise in Colorado. However, since the treaty covered only that portion of the river below Fort Quitman, Texas, Colorado was not concerned with the Rio Grande portion of this international adjustment. The Convention of 1906 between the two countries provided for the allocation of waters of that river in its upper portion.

Colorado, along with the other Colorado River basin states, became involved in an extended controversy relating to the terms of the treaty affecting the Colorado river. In May, 1941 the Department of State disclosed to the Committee of Sixteen, Colorado River Basin, its wish to initiate conversations with Mexico with respect to the waters of the Colorado river and its desire to consult with the Committee representing the views of these states on the matter. Numerous meetings of the Committee were held. Early in 1943 the Committee, by a vote of five to one (California dissenting and Nevada not voting), approved a formula for the allocation of the waters of the Colorado River to Mexico. The terms of the present treaty, so far as they relate to the equitable division of the waters of the Colorado river, were within this formula. Later, Nevada joined California in opposing ratification of the treaty by the United States Senate. After the approval of the formula by five of the Colorado River Basin states, negotiations with Mexico were actively initiated

and the terms of the treaty were worked out in a series of meetings held at El Paso, Texas and Ciudad Juarez, Mexico by representatives of the Department of State and of the Ministry of Foreign Relations of Mexico, with both sections of the International Boundary Commission participating. These meetings were held from the early part of September to the latter part of December, 1943.

Rio Grande. The treaty allocates to the United States all the waters contributed to the main stream of the Rio Grande by the principal American tributaries, one-third of the waters contributed to the main stream by certain large Mexican tributaries which Mexico guarantees to be not less than 350,000 acre feet each year, and one-half of all other flows in the main stream from any other source. The effect of this allocation is to divide the waters of the Rio Grande below Fort Quitman, Texas, about equally between the two countries, although most of the water originates in Mexico. Provision is made for the construction of three International reservoirs on the main stream.

Colorado River. With respect to the Colorado river, the treaty provides that the United States guarantees to Mexico a minimum quantity of 1,500,000 acre feet of water each year. This water shall be delivered in accordance with schedules to be furnished in advance by the Mexican section of the Commission. Beyond this minimum quantity the United States will allocate to Mexico, whenever the United States section decides there is a surplus of water, an additional quantity up to a total, including the 1,500,000 acre feet, of not more than 1,700,000 acre feet each year. Mexico may use any other waters that arrive at her points of diversion but can acquire no rights to any quantity beyond the 1,500,000 acre feet. These quantities, which may be made up of any waters of the Colorado river from any and all sources, whether direct river flows, return flow, or seepage, will be delivered by the United States in the boundary portion of the Colorado river, except that until 1980 Mexico may receive 500,000 acre feet annually and after that year 375,000 acre feet annually, through the All-American Canal as part of the guaranteed quantity. By another provision the United States will undertake, if the Mexican diversion dam is located entirely in Mexico, to deliver up to 25,000 acre feet annually out of the total allocation at the Senora land boundary near San Luis.

In order to facilitate the delivery and diversion of Mexico's allocation, Mexico is to build at its expense, within five years from the date the treaty goes into effect, a main diversion structure in the Colorado river below the upper boundary line. If this dam is built in the limitrophe section of the river, its plans and construction must be approved by the Commission. Whenever it is built, there shall be constructed at the same time, at Mexico's expense, the works which, in the opinion of the Commission, may be necessary to protect lands in the United

States against damage from floods and seepage which might result from the construction, operation and maintenance of the dam. The United States is to build a regulating dam, known as Davis Dam and Reservoir, at a point between Boulder Dam and Parker Dam and use a portion of its capacity to make possible the regulation, at the boundary, of the waters allocated to Mexico. The United States is to acquire or construct and permanently own, operate and maintain the works required for the delivery of Colorado river water to Mexican diversion points on the land boundary. Mexico is required to pay an equitable part of the construction, maintenance and operating cost of the Imperial Dam and the Imperial Dam-Pilot Knob section of the All-American Canal, and to pay all such costs of works used entirely by Mexico.

Tijuana River. Respecting the Tijuana river, the treaty places upon the International Boundary Commission the duty of making investigations and reports regarding the most feasible projects for the conservation and use of its waters and of submitting a recommendation for their allocation between the two countries. Such allocation must be effectuated by the two nations.

The administration of the treaty is placed in the International Boundary Commission, subject to certain specific requirements set forth in the treaty and in the protocol of November 8, 1945.

During the pendency of the treaty negotiations with Mexico, the State of Arizona ratified the Colorado River Compact and entered into a contract with the Secretary of the Interior for the use of Colorado river water. This action by Arizona and the ratification of the treaty are important steps towards the ultimate definition of the rights of those dependent upon the water of the Colorado river.

CHAPTER X.

INTER-STATE LITIGATION

Arkansas River—Colorado v. Kansas (See Biennial Report of State Engineer 1941-42):

On December 6, 1943, the Supreme Court of the United States handed down its decision in the second of two suits which have been litigated within the past 42 years between Colorado and Kansas over the waters of this river.

The first case of *Kansas v. Colorado* was filed by Kansas in 1901 and decided in 1907. The second and last case (*Colorado v. Kansas et al.*) was filed by Colorado in 1928 and decided on December 6, 1943. The decisions in both of these noted cases were based primarily on the finding of the Court that Kansas

had failed to show that past uses of water in Colorado had resulted in material injury to the substantial interests of Kansas and its citizens.

The decision of December 6, 1943 denied the request of Kansas for relief, as against past uses of the waters of the river in Colorado, which had the effect of confirming such uses. The Court declined to divide the waters of the river between the two states on either a second foot or acre foot basis, as had been requested by Kansas, and suggested that as to any further disputes between the two states involving additional uses of the river, such disputes might appropriately be disposed of by negotiation, pursuant to the Treaty Clause of the Federal Constitution. Accordingly, the governors of Colorado and Kansas, early in 1945, appointed a Commission consisting of four members from each state, to negotiate a permanent Compact to cover future uses of the waters of the river.

North Platte River—Nebraska v. Wyoming, Colorado Impleaded Defendant, U. S. Department of Justice, Intervener (Original No. 6 October Term, 1944) (See Biennial Report of State Engineer 1941-42):

This suit was initiated by Nebraska against Wyoming in 1934. Upon application of Wyoming, Colorado was made an impleaded defendant and, in 1938, the United States Department of Justice entered the case as intervener. This case resulted in voluminous testimony amounting to substantially 30,000 pages, and over 1,300 exhibits. The special Master appointed by the Court to hear the testimony and to submit findings as to questions of fact and law and to recommend a decree, filed his report with the Court on October 16, 1944.

The recommendations of the Master not affecting Colorado were: (1) specifically restricting Wyoming uses above Pathfinder and along the main river between Pathfinder and Guernsey; (2) requiring the observation of priorities between the main stream storage reservoirs in Wyoming and between those reservoirs and the Casper canal on the one hand, and to so-called Nebraska State Line Canals; (3) restraining Wyoming from the recapture of return flow water of the Kendrick Project; (4) apportioning direct flow water in the Whalen-Tri-State Dam section on the basis of 25% to Wyoming and 75% to Nebraska. In addition, the Master recommended that certain gaging stations be constructed and maintained and that the Court should retain jurisdiction of the suit for the purpose of modification of the decree on petition of any party.

So far as the claims of the United States were concerned, the Master concluded that the United States was an appropriator under Wyoming Law and was not entitled to the apportionment of any water to it by decree.

The report and recommendations of the Master would limit Colorado's uses of water out of the North Platte river and tributaries in Colorado, except the Laramie river, to the irrigation of 135,000 acres of land in North Park, Colorado, and to the accumulation in reservoirs in North Park, to 17,000 acre feet in any water year, covering the period October 1 to the following September 30, and diversions out of the basin to an average of 6,000 acre feet per year, such diversions to be made between October 1 and September 30 of the following year. These uses constitute substantially average past uses of water by Colorado out of this stream system.

The Court ordered that exceptions to the report be filed on or before November 16, 1944. All parties filed exceptions to the report. Those of Colorado raised the principal points that there was no showing of any injury which would require the imposition of any injunction against Colorado uses and that, if the Court should determine that a decree should be entered against Colorado, then the provisions of the Act of August 9, 1937 subordinating water uses on the Kendrick Project to water uses in Jackson County, Colorado, should be given effect.

Opening briefs of all parties were filed on or before January 29, 1945, and second briefs of all parties were filed on or before February 26, 1945. The case was argued orally on March 5, 6, and 7, 1945, before the Supreme Court. It is anticipated that an early decision by the Court may be expected.

CHAPTER XI.

PROPOSED PROJECTS FOR WATER CONSERVATION, FLOOD CONTROL, AND HYDRO-ELECTRIC POWER

Several water conservation projects of a private or non-federal nature are now awaiting construction, following termination of the war. These projects include reservoirs of considerable magnitude for the City of Denver and numerous smaller works to supplement existing uses of water throughout the state. The proposed program of federal agencies is more extensive, both as regards the magnitude of such undertakings and costs involved.

Post-War Program of U. S. Bureau of Reclamation:

The post-war program for water conservation, flood control, and hydro-electric projects in Colorado, as announced by the Bureau, includes 19 projects. Of this number, two are now under construction, the larger of which is the Colorado-Big

Thompson transmountain diversion project for the Northern Colorado Conservancy District and a smaller project on Mancos river. A list of these projects, the estimated cost of which is \$329,506,000, is attached hereto.

Post-War Program of Corps of U. S. Engineers:

The post-war program of civil works projects which has been under investigation by the Corps of U. S. Engineers, includes flood way projects at Colorado Springs, Creede, and Trinidad, which will involve an estimated expenditure of \$1,859,000. The plans of the Corps also include the completion of the John Martin Dam Project and appurtenant works in the Arkansas Valley, at an estimated cost of \$1,300,000.

In addition, the Corps of Engineers has submitted to higher authority an extensive program for flood control and water conservation for the South Platte river, both above and below Denver, and on Cherry creek, which contemplates several large reservoirs and channel improvements with lesser works on Boulder creek, which will cost many millions of dollars. Of these projects, the one on Cherry creek has been authorized by Congress and an initial appropriation has been made therefor.

IRRIGATION AND MULTIPLE-PURPOSE PROJECTS FOR CONSTRUCTION IN POST-WAR PERIOD IN COLORADO

BY U. S. BUREAU OF RECLAMATION

Project	Stream Basin	Status	Principal Purpose	Irrigation (Acres)		
				New Lands	Supplemental Water for Presently Irrigated Lands	Estimated Total Overall Cost (1940 Prices)
Colorado-Big Thompson Mancos	Colorado to South Platte River Mancos River	Under Construction	Irrigation *Power	.....	615,000	\$ 38,939,000
		Under Construction	Irrigation	2,000	8,000	1,098,000
		Authorized	Irrigation	2,000	12,800	1,373,000
Paoia-Fire Mountain Division	North Fork Gunnison River	Authorized	Irrigation	.....	400,000	17,200,000
San Luis Valley	Rio Grande	Under Study	Irrigation	.....	23,800	3,800,000
La Plata	La Plata River	Under Study	Irrigation	5,500	18,000 (1)	1,632,000
Collbran	Plateau Creek	Under Study	Irrigation	1,105	5,300	1,245,000
Silt	Rifle Creek	Under Study	Irrigation	.....	8,100	941,000
West Divide Florida	West Divide Creek Florida River	Under Study	Irrigation, Flood Control	8,600	11,400	2,500,000
Trinidad	Purgatoire River	Under Study	Irrigation, Flood Control	.....	15,210	2,781,000
		Under Study	Irrigation	15,000	.....	1,376,000
Pine River Extension Blue River-South Platte	Pine River Blue River to South Platte River	Under Study	Irrigation, Municipal Power	196,000	363,000	148,000,000
Miscellaneous Montrose Power Gunnison-Arkansas	Uncompahgre River Gunnison River	Under Study	Irrigation, Power, Flood Control	5,000	25,000	5,000,000
		Under Study	Irrigation, Flood Control, Power	.....	.....	3,850,000
San Miguel	San Miguel River	Under Study	Irrigation	96,000	397,000	84,380,000
Upper Dolores Hunter Mesa	Dolores River Plateau Creek	Under Study	Irrigation	7,000	7,000	1,500,000
Paoia-Minnesota Division	North Fork Gunnison River	Under Study	Irrigation	40,000	.....	11,600,000
		Under Study	Irrigation	9,000	12,000	1,500,000
		Under Study	Irrigation	85	2,740	797,000
Total				387,290	1,924,350	\$329,506,000

*144,900 kilowatts, does not include present installation of 21,600 kilowatts.

(1) Revised May 25, 1944.

CHAPTER XII.

SOIL CONSERVATION DISTRICTS

As recently reported by the Colorado State Soil Conservation Board, there were 1,070 Soil Conservation Districts in existence in the United States as of May 15, 1944. These districts covered approximately 598,479,000 acres of land and roughly represented 2,052,460 farms or ranches in 44 states. Forty-five states have enacted laws providing for the creation of Soil Conservation Districts.

In Colorado there are now 47 such districts, embracing 13,714,000 acres, which constitute approximately 21% of the total area of the state. The most extensive application of the Colorado Soil Conservation District Act has been made in the water shed of the Arkansas river. It is reported that, of the 47 districts in Colorado, 44 have requested assistance in some form, of the Soil Conservation Service of the U. S. Department of Agriculture. In connection with the work of rehabilitation of lands within these 47 districts, approximately one and one-half million cubic yards of earth were moved in 1943.

The program for soil conservation and related matters has been drastically curtailed due to wartime restrictions on machinery and to the shortage of labor. At the present time, several bills are before Congress which provide for the disposition of surplus military equipment to political subdivisions of the states, which might be used by Soil Conservation Districts. Much of the work now in progress is being done by private contractors.

The types of work included in the programs of the Soil Conservation Districts consist of terracing, contouring, contour planting, strip cropping, crop residue management, regulation of grazing, seeding of the range to grasses, construction of farm and ranch ponds, preparation of lands for irrigation, repairs to irrigation systems, including construction of diversion dams, headgates, wasteways, etc., stream bank protection, and the planting of shelter belts and windbreaks.

The importance of the programs for soil conservation in the nation may best be visualized by the statement of Russell Lord in his booklet, "To save the Soil", that it requires from 200 to 700 years to form one inch of top soil.

The following information was supplied by Mr. Kenneth W. Chalmers, State Conservationist of the Soil Conservation Service, U. S. Department of Agriculture:

GENERAL INFORMATION ON SOIL CONSERVATION DISTRICTS IN COLORADO DURING 1944 AND TO MARCH 1, 1945, SINCE THE ENACTMENT OF THE STATE SOIL CONSERVATION DISTRICT LAW

	1944	To Date
Number of Districts.....	4	47
Acreage in Districts.....	2,065,086	14,593,114
Number operating Units in Districts.....	1,711	10,766
Number farm conservation plans.....	460	1,931
Acreage in farm conservation plans.....	518,898	3,083,795
Acreage of planned work established.....	*not available	1,313,914

*This figure is now carried on a to-date basis only. In the future it can be determined by subtracting last year's to-date figure from the current year-to-date figure. For example, at the end of 1945 we will have a to-date figure from which we can subtract 1944 to-date figure and arrive at amount done in 1945. The 1943 to-date figure included work which this Service carried on in CCC camps and Demonstration Projects; therefore, it was not correct.

SUMMARY OF SOIL CONSERVATION PRACTICES APPLIED IN SOIL CONSERVATION DISTRICTS DURING 1944 AND TO MARCH 1, 1945, SINCE THE BEGINNING OF THEIR OPERATIONS

Conservation Practices	Unit of Measure	Applied in 1944	Applied to Date
Contour Planting	Acres	18,701	93,300
Crop Residue Management	Acres	30,017	164,812
Strip Cropping	Acres	9,467	48,420
Terracing	Acres	1,046	10,346
Farm Ponds	Number	25	45
Irrigated Land Preparation	Acres	6,096	9,376
Irrigation Systems Installed or Improved..	Number	262	425
Irrigated Pastures	Acres	826	2,021
Individual Farm Drains	Acres	1,465	2,362
Shelterbelts and Windbreaks.....	Acres	32	211
Contour Furrows on Range Land	Acres	8,040	43,889
Seeding Range	Acres	13,918	35,529
Range Properly Stocked	Acres	464,635	1,699,514
Stock Water Developments	Number	615	1,464
Diversions	Lin. Feet	162,741	558,614
Dirt Moved	Cu. Yards	2,396,609	*Not Known

*Records were not kept until 1943. During 1943 approximately 1,500,000 cubic yards were moved.

CHAPTER XIII.

DESCRIPTIONS OF
STREAM GAGING STATIONS
AND
TABLES OF STREAM DISCHARGES
FOR
WATER YEARS 1943 AND 1944

COOPERATION

All stream gaging stations in this state are maintained by the State Engineer of Colorado in cooperation with the United States Geological Survey.

The majority of the stream measurements in the Colorado River and North Platte River basins were made by the U. S. G. S. while work in the Arkansas, Rio Grande and South Platte River basins was done by the State Engineer's office.

The following agencies also cooperated with the State Engineer in this work:

State of Colorado, Colorado Water Conservation Board

State of Kansas, Division of Water Resources

State of Nebraska, State Engineer

U. S. Army, Corps of Engineers

U. S. Bureau of Reclamation

Municipalities of Denver and Loveland

Arkansas Valley Ditch Association

Rio Grande Water Users Association

Uncompahgre Valley Water Users Association

Del Norte and Trinchera Irrigation Districts

Costilla Estates Development Company

Public Service Company of Colorado

Terrace Irrigation Company

RELATED RUNOFF IN PERCENTAGE OF THE NORMAL FOR STREAMS IN COLORADO

Stream	Years of Record	Mean Ac.-Ft.	1943	1944
Animas River at Durango.....	46	657,590	82	117
Arkansas River at Canon City.....	57	526,300	113	96
Bear Creek at Morrison.....	25	44,130	71	105
Big Thompson River below Power House near Drake.....	16	113,200	168	96
Blue River at Dillon.....	34	85,460	90	73
Boulder Creek near Orodell.....	38	68,620	94	90
Cache la Poudre River at Canyon near Fort Collins.....	61	304,540	115	74
†Clear Creek near Golden.....	35	177,490	89	88
Colorado River at Glenwood Springs.....	45	2,124,000	83	71
Conejos River near Mogote.....	42	272,900	72	108
Dolores River at Dolores.....	35	342,200	97	130
†Fraser River at Winter Park (West Portal)	34	30,760	83	71
La Plata River at Hesperus.....	30	35,940	90	115
Laramie River at Jelm, Wyoming.....	36	120,800	97	64
Little Snake River at Lily Park.....	24	446,800	76	88
North Platte River near Northgate.....	31	338,500	85	54
Purgatoire River at Trinidad.....	37	71,190	55	127
Rio Grande River near Del Norte.....	55	699,100	72	122
†Roaring Fork River at Glenwood Springs..	38	1,079,470	91	85
Saguache Creek near Saguache.....	35	56,190	60	113
†South Boulder Creek at Eldorado Springs...	52	55,540	95	101
*South Platte River at South Platte.....	53	270,500	72	82
St. Vrain Creek at Lyons.....	55	98,220	106	84
White River near Meeker.....	41	458,900	82	87
White River near Watson, Utah.....	23	547,000	80	81
Yampa River at Steamboat Springs.....	39	346,300	85	72
Yampa River near Maybell.....	34	1,172,000	77	73
State Average			86	91

NOTE: The mean in acre-feet is based on all available years of record as shown in first column, including year 1944.

*Corrected for storage.

†Corrected for transmountain diversion above station.

PLATTE RIVER BASIN

SOUTH PLATTE RIVER ABOVE ELEVEN MILE CANYON RESERVOIR NEAR HARTSEL, COLORADO

Location—Water stage recorder and Parshall flume in Sec. 33, T. 12 N., R. 73 W., 250 feet downstream from highway bridge on road from Hartsel to Guffey, and 1 mile upstream from high water line of Eleven Mile Canyon Reservoir and 13 miles southeast of Hartsel. A 20-foot Parshall flume was installed in October, 1940.

Drainage Area—861 square miles.

Records available—May 27, 1939 to September 30, 1944.

Maximum discharge during period 1939-1944, 740 second feet, August 1, 1942. Gage height 4.14 feet, datum then in use.

Maximum Discharge—Year 1943; 278 second feet, June 29. Gage height 2.25 feet.

Maximum Discharge—Year 1944; 381 second feet, May 28. Gage height 2.73 feet.

Accuracy—Records considered good. Discharge computed during winter on basis of discharge measurements and storage and releases from Eleven Mile Canyon Reservoir.

Diversions for storage and irrigation above station. Flow partly regulated by Antero Reservoir, capacity 33,000 acre feet.

SOUTH PLATTE RIVER BELOW ELEVEN MILE CANYON RESERVOIR NEAR LAKE GEORGE, COLORADO

Location—Water stage recorder and Parshall flume in SW $\frac{1}{4}$ Sec. 20, T. 13 S., R. 72 W., 800 feet downstream from Eleven Mile Canyon Reservoir and 9 miles upstream from Lake George. Concrete 15-foot Parshall flume installed in October, 1940.

Drainage Area—929 square miles. Zero of gage is 8,423.95 feet above mean sea level, adjustment of 1912.

Records Available—October 1, 1929 to September 30, 1944. Station located at Lake George, 9 miles downstream, from October, 1910 to September, 1929, and 1 mile downstream from present site from October, 1929 to October, 1940.

Maximum discharge during period 1930-1944; 990 second feet, August 15, 1930. Gage height 4.80 feet, site and datum then in use.

Maximum Discharge—Year 1943; 206 second feet, August 11. Gage height 2.18 feet.

Maximum Discharge—Year 1944; 328 second feet, June 2. Gage height 2.95 feet.

Accuracy—Records considered excellent.

Diversions for storage and irrigation above station. Flow regulated by Antero and Eleven Mile Canyon Reservoirs. Capacities, 33,000 and 80,000 acre feet, respectively.

SOUTH PLATTE RIVER ABOVE LAKE CHEESMAN,

Location—Water stage recorder and compound rectangular weir in Sec. 22, T. 10 S., R. 71 W., $\frac{1}{2}$ mile upstream from high water line of Lake Cheesman.

Drainage Area—1,680 square miles. Zero of gage is 6,845.86 feet above mean sea level, adjustment of 1912.

Records Available—October 1, 1924 to September 30, 1944.

Maximum discharge during period 1924-1944; 3,030 second feet, August 6, 1936, from rating curve extended above 200 second feet, on basis of weir tables. Gage height 5.30 feet.

Maximum Discharge—Year 1943; 558 second feet, July 21, from rating curve extended above 200 second feet. Gage height 2.24 feet.

Accuracy—Records considered good. Record for year 1944 not published until further measurements define curve.

Diversions for storage and irrigation above station. Flow regulated by two reservoirs above station, total capacity of 113,000 acre feet.

SOUTH PLATTE RIVER BELOW LAKE CHEESMAN,
COLORADO

Location—Water stage recorder in Sec. 6, T. 10 S., R. 70 W., $\frac{1}{4}$ mile downstream from Lake Cheesman.

Drainage Area—1,766 square miles. Zero of gage is 6,610.38 feet above mean sea level, adjustment of 1912.

Records Available—October 1, 1924 to September 30, 1944. Acre foot estimates 1909 to date.

Maximum discharge during period 1924-1944; 3,020 second feet, April 23, 1942, from rating curve extended above 1,200 second feet. Gage height 8.46 feet.

Maximum Discharge—Year 1943; 921 second feet, April 21. Gage height 5.39 feet.

Maximum Discharge—Year 1944; 636 second feet, May 30. Gage height 4.64 feet.

Accuracy—Records considered good.

Diversions for storage and irrigation above station. Flow regulated by three reservoirs, total capacity 194,000 acre feet.

SOUTH PLATTE RIVER AT SOUTH PLATTE, COLORADO

Location—Water stage recorder in Sec. 25, T. 7 S., R. 70 W., at South Platte, 375 feet downstream from mouth of North Fork of South Platte River.

Drainage Area—2,550 square miles. Zero of gage is 6,078.43 feet above mean sea level, adjustment of 1912.

Records Available—March 28, 1902 to September 30, 1944.

Maximum discharge during period 1902-1944; 6,320 second feet, June 8, 1921, from rating curve extended above 3,200 second feet. Gage height 8.95 feet.

Maximum Discharge—Year 1943; 1,180 second feet, July 22. Gage height 4.08 feet.

Maximum Discharge—Year 1944; 1,640 second feet, May 31. Gage height 4.63 feet.

Accuracy—Records considered good. Discharge for period of ice effect from January 7 to February 17, 1943 and December 11, 1943 to March 31, 1944, computed on basis of 5 discharge measurements, weather records, and comparison with North Fork and Waterton stations, and records for station below Cheesman Reservoir, plus estimated inflow.

Diversions for irrigation above station. Flow regulated by three reservoirs, capacity 194,000 acre feet.

SOUTH PLATTE RIVER AT WATERTON, COLORADO

Location—Water stage recorder in Sec. 34, T. 6 S., R. 69 W., 200 feet east of highway bridge at pipe line crossing from Platte Canyon Reservoir to filter beds, and $\frac{1}{2}$ mile south of Waterton. Waste from Platte Canyon Reservoir and Highline Canal enters rivers immediately upstream from station. Plum Creek enters 8 miles downstream.

Drainage Area—2,621 square miles. Zero of gage is 5,484.43 feet above mean sea level, adjustment of 1912.

Records Available—May 21, 1926 to September 30, 1944.

Maximum discharge during period 1926-1944; 5,700 second feet, April 23, 1942, from rating curve extended above 3,000 second feet. Gage height 5.68 feet.

Maximum Discharge—Year 1943; 560 second feet, July 22. Gage height 1.83 feet.

Maximum Discharge—Year 1944; 1,090 second feet, June 10. Gage height 2.52 feet.

Accuracy—Records good except those for period of ice effect, January 6-12 and March 1-4, 1943, which were computed on basis of discharge measurements, weather records, and are fair.

Diversions for irrigation and by City of Denver above station. Flow regulated by three storage reservoirs above station, capacity 194,000 acre feet.

SOUTH PLATTE RIVER AT LITTLETON, COLORADO

Location—Wire-weight gage in Sec. 17, T. 5 S., R. 68 W., on Hazard Street Bridge, at northwest edge of Littleton. Bear Creek enters 3.1 miles downstream.

Drainage Area—3,090 square miles. Zero of gage is 5,305.34 feet above mean sea level, adjustment of 1912.

Records Available—July 21, 1941 to September 30, 1944.

Maximum discharge during period 1941-1944; 9,720 second feet, April 23, 1942, from rating curve extended above 4,800 second feet. Gage height 8.55 feet, from flood marks.

Maximum Discharge—Year 1943; 556 second feet, May 30. Gage height 2.60 feet.

Maximum Discharge—Year 1944; 1,770 second feet, May 17. Gage height 3.84 feet.

Accuracy—Records considered fair with twice daily gage readings. Records during periods of ice effect computed on basis of discharge measurements, weather records and comparison with records at Waterton and Denver stations.

Diversions for irrigation above station.

SOUTH PLATTE RIVER AT DENVER, COLORADO

Location—Water stage recorder at 19th Street Bridge in Denver, $\frac{1}{2}$ mile downstream from mouth of Cherry Creek. Waste water from Farmers and Gardners Ditch enters river above station.

Drainage Area—3,840 square miles. Zero of gage is 5,162.16 feet above mean sea level, datum of 1929.

Records Available—May 7, 1895 to September 30, 1944. Station maintained between 15th Street and 16th Street Bridges prior to August 29, 1931. Records comparable.

Maximum discharge during period 1902-1944; 22,000 second feet, September 10, 1933. Gage height 10.98 feet.

Maximum Discharge—Year 1943; 1,400 second feet, July 21. Gage height 3.20 feet.

Maximum Discharge—Year 1944; 2,500 second feet, June 8. Gage height 4.32 feet.

Accuracy—Records considered good except those for periods of no gage heights, November 3-29, December 3-8, 1942, March 14-22, November 24-26, 1943, June 26-30, September 18-22, 1944, which were computed on basis of weather records and comparison with records of South Platte River at Littleton and Henderson, and are fair.

Diversions for irrigation above station.

SOUTH PLATTE RIVER AT HENDERSON, COLORADO

Location—Water stage recorder in Sec. 34, T. 1 S., R. 67 W., $\frac{1}{4}$ mile west of Henderson, and just downstream from highway bridge.

Drainage Area—4,740 square miles. Zero of gage is 5,005.12 feet above mean sea level. Datum lowered 2.00 feet July 7, 1942.

Records Available—May 1, 1926 to September 30, 1944.

Maximum discharge during period 1926-1944; 10,700 second feet, April 26, 1942. Gage height 8.40 feet.

Maximum Discharge—Year 1943; 962 second feet, May 9.
Gage height 2.74 feet.

Maximum Discharge—Year 1944; 2,720 second feet, May 17.
Gage height 4.42 feet.

Accuracy—Records considered fair.

Diversions for irrigation above station.

SOUTH PLATTE RIVER AT FORT LUPTON, COLORADO

Location—Water stage recorder in Sec. 6, T. 1 N., R. 66 W., at the west edge of Fort Lupton and 600 feet upstream from highway bridge. Prior to June 20, 1935, water stage recorder at site $\frac{1}{4}$ mile downstream and at different datum.

Drainage Area—5,070 square miles. Zero of gage is 4,888.66 feet above mean sea level, datum of 1929.

Records Available—May 10 to September 15, 1906, April 29, 1929 to September 30, 1944.

Maximum discharge during period 1906, 1929-1944; 9,000 second feet, April 26, 1942, from rating curve extended above 6,700 second feet. Gage height 7.24 feet.

Maximum Discharge—Year 1943; 1,010 second feet, May 9.
Gage height 2.47 feet.

Maximum Discharge—Year 1944; 2,520 second feet, May 17.
Gage height 4.42 feet.

Accuracy—Records considered good except those for periods of missing gage heights, March 6-7, September 8-16, 1943 and during period of ice effect, February 22-March 16, 1944, which were computed on basis of weather records and comparison with records of nearby stations, and are fair.

Diversions for irrigation above station.

SOUTH PLATTE RIVER NEAR KERSEY, COLORADO

Location—Water stage recorder in Sec. 9, T. 5 N., R. 64 W., at highway bridge $1\frac{3}{4}$ miles north of Kersey. Cache la Poudre River enters $2\frac{1}{2}$ miles upstream from station.

Drainage Area—9,500 square miles. Zero of gage is 4,575.37 feet above mean sea level, datum of 1929.

Records Available—April 27, 1901 to October 31, 1903, March 1, 1905 to November 20, 1912, January 1, 1914 to September 30, 1944.

Maximum discharge during period 1901-1903, 1905-1944; 31,000 second feet, June 7, 1921, from rating curve extended above 15,000 second feet.

Maximum Discharge—Year 1943; 3,090 second feet, June 3.
Gage height 5.97 feet.

Maximum Discharge—Year 1944; 4,900 second feet, May 18.
Gage height 6.51 feet.

Accuracy—Records considered good.

Diversions for irrigation above station.

SOUTH PLATTE RIVER AT SUBLETTE, COLORADO

Location—Water stage recorder in Sec. 14, T. 4 N., R. 61 W., at highway bridge and 1,000 feet south of Sublette.

Drainage Area—12,900 square miles.

Records Available—April 19, 1926 to April 21, 1942, September 14, 1943 to September 30, 1944.

Maximum discharge during period 1926-1944; 10,700 second feet, September 5, 1938. Gage height 8.78 feet. Highest discharge known about 30,000 second feet, June 7, 1921.

Maximum Discharge—Year 1944; 4,240 second feet, May 19. Gage height 5.91 feet.

Accuracy—Records considered good except those for period of no gage height, July 23, 24, 26-28, July 30 to August 4, August 28 to September 1, September 3-8, 10, 15, 17-18, which were computed on basis of comparison with records for nearby stations.

Diversions for storage and irrigation above station.

SOUTH PLATTE RIVER AT FORT MORGAN, COLORADO

Location—Water stage recorder in Sec. 31, T. 4 N., R. 57 W., 1 mile north of Fort Morgan at concrete highway bridge.

Drainage Area—14,800 square miles.

Records Available—October 1, 1943 to September 30, 1944.

Maximum discharge during period 1943-1944; 2,920 second feet, May 13, 1944. Gage height 6.31 feet. Maximum discharge occurred during Bijou Creek flood, May 31, 1935, discharge 84,000 second feet by slope-area method.

Maximum Discharge—Year 1944; 2,920 second feet, May 13. Gage height 6.31 feet.

Accuracy—Records considered good except for period of no gage heights, October 1 to November 19, 1943, which were computed on basis of 2 discharge measurements, diversion records and comparison with record at Sublette, and are fair.

Diversions for irrigation and storage above station.

SOUTH PLATTE RIVER AT BALZAC, COLORADO

Location—Water stage recorder in Sec. 13, T. 5 N., R. 55 W., at Balzac Siding, $1\frac{1}{4}$ miles northeast of Union. Two recording gages on two channels.

Drainage Area—17,700 square miles. Zero of gage on main channel is 4,091.06 feet above mean sea level, datum of 1929.

Records Available—January, 1914 to September 30, 1944.

Maximum discharge during period 1917-1944; May 31, 1935, discharge not determined. Gage height 11.43 feet.

Maximum Discharge—Year 1943; 2,400 second feet, May 27. Gage height 5.61 feet.

Maximum Discharge—Year 1944; 2,970 second feet, May 13. Gage height 6.06 feet.

Accuracy—Records considered good. During period of missing gage heights, January 17-22, 1943, March 5-10, June 3, 8-10, 1943, discharges were computed by comparison with stations at Sublette, Fort Morgan, and Julesburg, and are fair.

Diversions for storage and irrigation above station.

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

Location—Water stage recorder in Sec. 33, T. 12 N., R. 44 W., at highway bridge $\frac{1}{2}$ mile east of Julesburg, Colorado, and 4 miles upstream from Colorado-Nebraska State line. (Three water stage recorders on three channels. At extreme high water stages all channels merge into one.)

Drainage Area—22,800 square miles. Zero of gage is 3,446.76 feet above mean sea level, datum of 1929.

Records Available—April 2, 1902 to November 16, 1906, May 12, 1908 to November 30, 1912, April 8, 1914 to September 30, 1944.

Maximum discharge during period 1902-1906, 1908-1912, 1914-1944; 31,300 second feet, June 2, 1935, from rating curve extended above 16,000 second feet.

Maximum Discharge—Year 1943; 2,090 second feet, May 30.

Maximum Discharge—Year 1944; 3,070 second feet, May 15.

Accuracy—Records considered fair. They represent the flow passing the Colorado-Nebraska State line.

Diversions for irrigation and storage above station.

TARRYALL CREEK NEAR LAKE GEORGE, COLORADO

Location—Water stage recorder in Sec. 22, T. 11 S., R. 72 W., at McLaughlin's Ranch 8 miles northwest of Lake George, and approximately 5 miles upstream from the mouth. Prior to November 8, 1940, recorder located at site 250 feet downstream.

Drainage Area—460 square miles.

Records Available—October, 1910 to June, 1912, June 19 to October 26, 1916, April 1, 1925 to September 30, 1944.

Maximum discharge during period 1910-1912, 1916, 1925-1944; 643 second feet, July 31, 1935, from rating curve extended above 500 second feet. Gage height 5.20 feet, site and datum then in use.

Maximum Discharge—Year 1943; 131 second feet, June 30. Gage height 2.36 feet.

Maximum Discharge—Year 1944; 239 second feet, July 4. Gage height 3.04 feet.

Accuracy—Records considered good except those for periods of ice effect, November 8, 1943 to April 14, 1944, which were computed on basis of 2 discharge measurements, weather records.

Diversions for irrigation above station.

GOOSE CREEK ABOVE LAKE CHEESMAN, COLORADO
(KNOWN ALSO AS LOST PARK CREEK)

Location—Water stage recorder and compound rectangular weir in Sec. 3, T. 10 S., R. 71 W., 1 mile upstream from high water line of Lake Cheesman.

Drainage Area—86 square miles. Altitude 6,835 feet above mean sea level.

Records Available—October, 1924 to September 30, 1944. Acre foot estimates 1909 to date.

Maximum discharge during period 1924-1944; 464 second feet, May 30, 1942, from rating curve extended above 75 second feet on basis of weir formula. Gage height 4.57 feet.

Maximum Discharge—Year 1943; 106 second feet, May 11. Gage height 2.08 feet.

Maximum Discharge—Year 1944; 217 second feet, May 14. Gage height 2.98 feet.

Accuracy—Records considered good except those for period of no gage heights, October 1-2, 1942, June 1-5, October 21-22, 1943, April 1-28, 1944, computed on basis of record for Lake Cheesman, and are fair.

NORTH FORK OF SOUTH PLATTE RIVER AT GRANT,
COLORADO

Location—Staff gage in NW $\frac{1}{4}$ Sec. 9, T. 7 S., R. 74 W., 300 feet west of Grant (Olava postoffice) and 400 feet downstream from Geneva Creek.

Drainage Area—130 square miles.

Records Available—June 19, 1942 to September 30, 1944.

Maximum discharge observed during period 1942-1944; 515 second feet, June 9, 1944. Gage height 2.50 feet.

Maximum Discharge Observed—Year 1943; 335 second feet, June 30. Gage height 2.14 feet.

Maximum Discharge Observed—Year 1944; 515 second feet, June 9. Gage height 2.50 feet.

Accuracy—Records considered fair. Staff gage read twice daily.

A few small diversions for irrigation above station. Flow somewhat regulated by reservoirs.

NORTH FORK OF SOUTH PLATTE RIVER AT PINE,
COLORADO

Location—Staff gage in SE $\frac{1}{4}$ Sec. 26, T. 7 S., R. 71 W., at Bryn Mawr Ranch, 600 feet downstream from Elk Creek and $\frac{1}{2}$ mile east of Pine.

Drainage Area—374 square miles.

Records Available—July 1, 1942 to September 30, 1944.

Maximum discharge observed during period 1942-1944, 841 second feet, June 10, 1944. Gage height 3.03 feet.

Maximum Discharge Observed—Year 1943; 510 second feet, June 30. Gage height 2.52 feet.

Maximum Discharge Observed—Year 1944; 841 second feet, June 10. Gage height 3.03 feet.

Accuracy—Records considered good except those for period of no gage height and ice effect October 25, November 7-15, November 17, 1942 to March 23, 1943 and October 19 to April 23, 1944 which were computed on basis of discharge measurements and weather records.

Diversions for irrigation above station.

NORTH FORK OF SOUTH PLATTE RIVER AT SOUTH PLATTE, COLORADO

Location—Water stage recorder in Sec. 25, T. 7 S., R. 70 W., $\frac{1}{3}$ mile west of South Platte.

Drainage Area—484 square miles. Zero of gage is 6,090.55 feet above mean sea level, adjustment of 1912.

Records Available—January 4, 1909 to September 30, 1910. April 1, 1913 to September 30, 1944.

Maximum discharge during period 1909-1910, 1913-1944; 1,910 second feet, June 8, 1921, from rating curve extended above 1,400 second feet. Gage height 5.90 feet.

Maximum Discharge—Year 1943; 571 second feet, May 30. Gage height 3.60 feet.

Maximum Discharge—Year 1944; 1,040 second feet, June 10. Gage height 4.25 feet.

Accuracy—Records considered good except those during periods of ice effect, January 6-21, 1943, March 1-8, March 28 to April 11, 1943, November 26, 1943 to March 28, 1944, which were computed on basis of three discharge measurements, weather records, and are fair.

Diversions for irrigation above station.

DEER CREEK NEAR LITTLETON, COLORADO

Location—Staff gage in NE $\frac{1}{4}$ Sec. 8, T. 6 S., R. 69 W., at Deer Creek Park $2\frac{1}{2}$ miles downstream from Blue Jay Creek, and $7\frac{1}{2}$ miles southwest of Littleton.

Drainage Area—21.8 square miles. Zero of gage is 5683.00 feet above mean sea level, unadjusted.

Records Available—June 18, 1942 to September 30, 1944.

Maximum discharge observed during period 1942-1944; 162 second feet, May 9, 1944. Gage height 2.90 feet.

Maximum Discharge Observed—Year 1943; 34 second feet, August 17. Gage height 2.04 feet.

Maximum Discharge Observed—Year 1944; 162 second feet, May 9. Gage height 2.90 feet.

Accuracy—Records considered poor, gage read twice daily.

No diversions for irrigation above station.

PLUM CREEK NEAR SEDALIA, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ Sec. 15, T. 7 S., R. 68 W., 1 mile west of Sedalia, and 1 mile downstream from Jarre Creek, 150 feet upstream from Lambert Bridge on Indian Creek Road to Lehigh.

Drainage Area—273 square miles. Zero of gage is 5,722.81 feet above mean sea level, datum of 1929.

Records Available—June 18, 1942 to September 30, 1944.

Maximum discharge during period 1942-1944; 620 second feet, May 15, 1944. Gage height 3.58 feet.

Maximum Discharge—Year 1943; 150 second feet, October 17. Gage height 1.42 feet.

Maximum Discharge—Year 1944; 620 second feet, May 15. Gage height 3.58 feet.

Accuracy—Records considered fair.

Diversions for irrigation above station.

BEAR CREEK AT MORRISON, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ Sec. 35, T. 4 S., R. 70 W., just upstream from main Turkey Creek Canyon highway bridge at Morrison. Mount Vernon Creek enters $\frac{1}{4}$ mile downstream. During period October, 1919 to September, 1934, water stage recorder located at Idledale (Starbuck) 3 miles upstream, records comparable.

Drainage Area—165 square miles. Zero of gage is 5,780.58 feet above mean sea level, adjustment of 1912.

Records Available—April, 1888 to September, 1891, May, 1895 to March, 1902, October, 1919 to September 30, 1944.

Maximum discharge during period 1888-1891, 1895-1902, 1919-1944; 8,600 second feet, July 24, 1896 (slope-area method). Gage height 10.90 feet.

Maximum Discharge—Year 1943; 244 second feet, June 30. Gage height 4.32 feet.

Maximum Discharge—Year 1944; 542 second feet, May 15. Gage height 4.57 feet.

Accuracy—Records considered good except those for periods of ice effect, December 7-17, December 28, 1942 to March 4, 1943, December 24, 1943 to January 1, 1944, January 7-11, 26-30, 1944,

which were computed on basis of 3 discharge measurements, weather records and comparison with station at mouth, and are fair.

Small diversions for irrigation above station.

Revisions: Revised figures of discharge for September 26-30, 1942 superseding those published in 31st biennial report:

Date	Second Feet		
September, 1942			
26	64	Monthly Total	1,389 second feet
27	62	Mean	46.3 second feet
28	60	Maximum	64 second feet
29	56	Minimum	30 second feet
30	56		

September runoff—2,760 acre feet.

Total runoff for water year 1941-42=90,490 acre feet.

BEAR CREEK AT MOUTH, AT SHERIDAN, COLORADO

Location—Water stage recorder in NE $\frac{1}{4}$ Sec. 5, T. 5 S., R. 68 W., $\frac{1}{2}$ mile southwest of Sheridan and $3\frac{1}{4}$ mile upstream from mouth.

Drainage Area—265 square miles. Zero of gage is 5,282.95 feet above mean sea level, adjustment of 1912.

Records Available—April 1 to November 30, 1914, February 23, 1927 to September 30, 1944.

Maximum discharge during period 1914, 1927-1944; 3,000 second feet (slope-area measurement), July 7, 1933. Gage height 6.95 feet.

Maximum Discharge—Year 1943; 158 second feet, May 30. Gage height 3.42 feet.

Maximum Discharge—Year 1944; 508 second feet, May 14. Gage height 4.74 feet.

Accuracy—Records considered good. During periods of ice effect, December 26, 1942 to January 1, 1943, January 9-22, 1943 and period of missing gage heights, December 14, 1942, March 4-12, 1943, records are fair.

Diversions for storage and irrigation above station.

TURKEY CREEK NEAR MORRISON, COLORADO

Location—Staff gage in NE $\frac{1}{4}$ Sec. 12, T. 5 S., R. 70 W., 2 miles upstream from mouth and 2 miles southeast of Morrison.

Drainage Area—49.4 square miles. Zero of gage is 5,717.62 feet above mean sea level, unadjusted.

Records Available—June 19, 1942 to September 30, 1944.

Maximum discharge observed during period 1942-1944; 175 second feet, May 6, 1944. Gage height 2.46 feet.

Maximum Discharge Observed—Year 1943; 18 second feet, October 15. Gage height 1.24 feet.

Maximum Discharge Observed—Year 1944; 175 second feet, May 6. Gage height 2.46 feet.

Accuracy—Records considered poor, with daily staff gage readings.

Diversions for irrigation above station.

CHERRY CREEK NEAR FRANKTOWN, COLORADO

Location—Water stage recorder in Sec. 15, T. 8 S., R. 66 W., at mouth of Wild Cat Canyon, 1.9 miles upstream from Franktown. Russellville Gulch enters from right 1 mile downstream. Ruins of Castlewood Dam 1.5 miles upstream. Datum lowered 1.00 foot April 16, 1942, and 1.00 foot May 18, 1942.

Drainage Area—172 square miles. Zero of gage is 6,147.53 feet above mean sea level.

Records Available—November 21, 1939 to September 30, 1944.

Maximum discharge during period 1939-1944; 4,700 second feet, July 13, 1941, by float method. Gage height 5.08 feet. Highest known flood occurred August 3, 1933 by failure of Castlewood Dam.

Maximum Discharge—Year 1943; 198 second feet, June 28. Gage height 1.86 feet.

Maximum Discharge—Year 1944; 390 second feet, July 12. Gage height 2.12 feet.

Accuracy—Records considered fair. Record for periods of ice effect, November 30, 1942 to February 3, 1943, February 6-20, March 2-7, 1943, December 27-31, 1943, January 1, 8-15, 28-31, February 10-20, 1944, computed on basis of 7 discharge measurements and weather records.

Diversions for irrigation above station.

CHERRY CREEK NEAR MELVIN, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 19, T. 5 S., R. 66 W., 400' feet downstream from South Cherry or Piney Creek and $1\frac{1}{2}$ miles southeast of Melvin. Kenwood flood control dam located 4 miles downstream.

Drainage Area—369 square miles. Zero of gage is 5,608.96 feet above mean sea level (State Highway bench mark).

Records Available—November 23, 1939 to September 30, 1944.

Maximum discharge during period 1939-1944; 4,500 second feet, September 6, 1940. Gage height 4.38 feet.

Maximum Discharge—Year 1943; 3,580 second feet, August 4. Gage height 4.70 feet.

Maximum Discharge—Year 1944; 1,380 second feet, July 9. Gage height 3.53 feet.

Accuracy—Records considered fair. Ice effect periods, December 2, 1942 to February 2, 1943, February 15, 16, November 26-30, December 15-17, 24, 1943 to January 17, 1944, January 26 to February 5, February 11-20, March 21, 22, 27, 28, 1944, computed on basis of 7 discharge measurements and weather records.

Diversions for irrigation above station.

CHERRY CREEK AT DENVER, COLORADO

Location—Wire-weight gage in Sec. 3, T. 4 S., R. 68 W., at Broadway and Speer Boulevard in Denver, $2\frac{1}{2}$ miles upstream from mouth.

Drainage Area—420 square miles. Zero of gage is 5,233.63 feet above mean sea level, adjustment 1929.

Records Available—August 11, 1942 to September 30, 1944.

Maximum discharge recorded; 20,000 second feet, July 26, 1885, by float measurement.

Maximum discharge during period 1942-1944; 1,460 second feet, August 5, 1943, by computation of flow over weir. Gage height 3.18 feet, from flood marks.

Maximum Discharge—Year 1943; 1,460 second feet, August 5. Gage height 3.18 feet (from flood marks).

Maximum Discharge—Year 1944; 1,340 second feet, July 9. Gage height 3.08 feet.

Accuracy—Records considered fair.

Diversions for irrigation above station. Flood flow regulated by Kenwood dam 7 miles upstream from station.

CLEAR CREEK NEAR GOLDEN, COLORADO

Location—Water stage recorder in Sec. 32, T. 3 S., R. 70 W., $1\frac{1}{2}$ miles upstream from Golden. Welch Ditch diverts water upstream from station. Beaver Creek enters from south approximately 3 miles upstream. Prior to August 30, 1941, at datum 2.00 feet higher.

Drainage Area—392 square miles. Zero of gage is 5,735.27 feet above mean sea level (State Highway bench mark.)

Records Available—December 4, 1908 to December 31, 1909, June to September, 1911, January 26, 1912 to September 30, 1944. Williams Fork Tunnel diverts water from Williams Fork River, into Clear Creek above station. Records since May 10, 1940 equivalent to earlier records if flow through Williams Fork Tunnel is subtracted from flow past station.

Maximum discharge during period 1908-1909, 1911-1944; 5,890 second feet, September 9, 1933, by slope-area method. Gage height 7.97 feet, datum then in use. Maximum discharge known; 8,700 second feet, August 1, 1888.

Maximum Discharge—Year 1943; 1,040 second feet, June 29. Gage height 6.68 feet, present datum.

Maximum Discharge—Year 1944; 1,180 second feet, June 9. Gage height 4.92 feet.

Accuracy—Records considered good, except those for periods of ice effect and no gage height record, October 9-18, November 4, 6, 8, 10, 1942 to January 27, 1943, April 2-11, December 29, 1943 to January 18, 1944, January 29-31, February 20-21, 1944, which were computed on basis of 3 discharge measurements and weather records, and are fair.

Diversions from Williams Fork River into Clear Creek:

Water Year 1943	Acre Feet	Water Year 1944	Acre Feet
July	2,360	July	2,850
August	1,270	August	859
September	430	September	152
Total	4,060	Total	3,860

Diversion for irrigation above station.

CLEAR CREEK AT MOUTH NEAR DERBY, COLORADO

Location—Water stage recorder in Sec. 36, T. 2 S., R. 67 W., at highway bridge $\frac{3}{4}$ mile upstream from mouth and $2\frac{1}{4}$ miles west of Derby.

Drainage Area—600 square miles.

Records Available—April 1, 1914 to November 30, 1914. February 25, 1927 to September 30, 1944.

Maximum discharge during period 1914, 1927-1944; 3,650 second feet, September 3, 1938, from rating curve extended above 1,200 second feet. Gage height 4.04 feet, site and datum then in use.

Maximum Discharge—Year 1943; 766 second feet, May 30. Gage height 3.36 feet.

Maximum Discharge—Year 1944; 889 second feet, June 10. Gage height 3.90 feet.

Accuracy—Records good, except those for periods of ice effect, December 26-28, 1943, January 1-7, 26, February 3, 26, March 7, 1943, January 1-29, 1944, which were computed on basis of 2 discharge measurements, and weather records, and are fair.

Diversions above station for irrigation. Transmountain diversions into basin. Flow slightly regulated by storage for irrigation. Water diverted into stream from Moffat Tunnel, some of which, together with that from Williams Fork River, passes station into South Platte River.

WEST FORK OF CLEAR CREEK ABOVE EMPIRE, COLORADO

Location—Staff gage in Sec. 29, T. 3 S., R. 74 W., at Glen Arbor Resort, 200 feet downstream from mouth of Mad Creek and 1 mile west of Empire.

Drainage Area—39.9 square miles. Zero of gage is 8,605.22 feet above mean sea level, adjustment of 1912.

Records Available—August 7, 1942 to September 30, 1944.

Maximum discharge observed during period 1942-1944; 376 second feet, June 23, 1943 and June 21, 1944. Gage height 2.82 feet.

Maximum Discharge Observed—Year 1943; 376 second feet, June 23. Gage height 2.82 feet.

Maximum Discharge Observed—Year 1944; 376 second feet, June 21. Gage height 2.82 feet.

Accuracy—Records considered fair. Staff gage read twice daily.

Transmountain diversions into basin above station (see record under Clear Creek near Golden.)

NORTH ST. VRAIN CREEK AT LONGMONT DAM, NEAR LYONS, COLORADO

Location—Water stage recorder in Sec. 16, T. 3 N., R. 71 W., $\frac{3}{4}$ mile upstream from Longmont Dam and 4 miles west of Lyons. City of Longmont diverts water below station.

Drainage Area—109 square miles. Altitude 6,080 feet above mean sea level.

Records Available—1913-1917 (partial records) October, 1922 to April, 1923, October, 1925 to September 30, 1944.

Maximum discharge during period 1925-1944; 1,210 second feet, June 22, 1941 by computation of flow over dam. Gage height 6.09 feet.

Maximum Discharge—Year 1943; 681 second feet, June 2. Gage height 4.50 feet.

Maximum Discharge—Year 1944; 514 second feet, May 15. Gage height 4.08 feet.

Accuracy—Records considered excellent. Winter flow measured through Cippoletti weir.

Diversions for storage above station.

ST. VRAIN CREEK AT LYONS, COLORADO

Location—Water stage recorder in Sec. 17, T. 3 N., R. 70 W., 300 feet downstream from junction of North and South St. Vrain Creeks, and $\frac{3}{4}$ mile east of Lyons.

Drainage Area—226 square miles. Altitude 5,349 feet above mean sea level.

Records Available—August, 1887 to October 31, 1891, June 13, 1895 to September 30, 1944.

Maximum discharge during period 1887-1891, 1895-1944; 10,500 second feet, June 22, 1941, from rating curve extended above 500 second feet on basis of slope-area determination. Gage height 8.06 feet.

Maximum Discharge—Year 1943; 1,230 second feet, May 29, from rating curve extended above 800 second feet. Gage height 3.56 feet.

Maximum Discharge—Year 1944; 962 second feet, May 18. Gage height 3.48 feet.

Accuracy—Records considered good.

Diversions above station for irrigation and flow partly regulated by several reservoirs. Transmountain diversion into basin.

ST. VRAIN CREEK AT MOUTH NEAR PLATTEVILLE, COLORADO

Location—Water stage recorder in Sec. 3, T. 3 N., R. 67 W., at highway bridge 1 mile upstream from mouth, and 4 miles northwest of Platteville.

Drainage Area—1,000 square miles.

Records Available—April 1 to December 31, 1915, February 24, 1927 to September 30, 1944.

Maximum discharge during period 1915, 1927-1944; 11,300 second feet (Revised), September 3, 1938, from rating curve extended above 4,800 second feet. Gage height 8.93 feet.

Maximum Discharge—Year 1943; 1,620 second feet, May 19. Gage height 4.83 feet.

Maximum Discharge—Year 1944; 2,390 second feet, May 13. Gage height 5.42 feet.

Accuracy—Records considered good except those for periods of ice effect or no gage height record, January 16-22, 1943 and January 7 to February 6, 1944, which were computed on basis of one discharge measurement, weather records, and comparison with records of nearby streams, and are fair.

Diversions for irrigation above station.

BOULDER CREEK NEAR ORODELL, COLORADO

Location—Water stage recorder in Sec. 34, T. 1 N., R. 71 W., $\frac{1}{4}$ mile downstream from Public Service power house, and 1 mile upstream from Four Mile Creek, and old Orodell.

Drainage Area—105 square miles. Altitude 5,800 feet above mean sea level.

Records Available—August, 1887 to October, 1888, March, 1907 to December, 1914, February, 1916, to September 30, 1944. Prior to 1917 station maintained at site 1 mile downstream.

Maximum discharge during period 1887-1888, 1907-1914, 1916-1944; 2,500 second feet, June 6, 1921. Gage height 4.31 feet.

Maximum Discharge—Year 1943; 634 second feet, June 30. Gage height 3.34 feet.

Maximum Discharge—Year 1944; 578 second feet, June 22. Gage height 3.27 feet.

Accuracy—Records considered good except those for period December 26-27, 1942, January 3, 10, 18, 21, June 3, 4, September 12, 13, December 30, 31, 1943, January 1, 11-14, 23-28, 1944, and for period of no gage height, which were computed on basis of K.W.H. output of power plant and weather records, and are fair.

Diversions for storage and irrigation above station. Flow regulated by Barker Meadow Reservoir, capacity 11,500 acre feet. Low water flow regulated by operation of power plant $\frac{1}{4}$ mile above station.

BOULDER CREEK AT MOUTH NEAR LONGMONT, COLORADO

Location—Water stage recorder in NE $\frac{1}{4}$, Sec. 17, T. 2 N., R. 68 W., $1\frac{1}{2}$ miles upstream from mouth and 5 miles southeast of Longmont.

Drainage Area—512 square miles.

Records Available—March 16, 1927 to September 30, 1944.

Maximum discharge during period 1927-1944; 4,410 second feet, September 3, 1938 by slope-area method. Gage height 6.94 feet, site and datum then in use.

Maximum Discharge—Year 1943; 553 second feet, May 19. Gage height 3.44 feet.

Maximum Discharge—Year 1944; 970 second feet, April 14. Gage height 4.13 feet.

Accuracy—Records considered fair. Those for periods of ice effect, December 6-17, 1942, January 1-February 18, 1943, February 23-26, March 1-25, 1943, January 4-March 6, 1944 were computed on basis of 2 discharge measurements and weather records.

Diversions for storage and irrigation above station.

SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS, COLORADO

Location—Water stage recorder in Sec. 26, T. 1 S., R. 71 W., $1\frac{1}{4}$ miles west of Eldorado Springs, and 1 mile upstream from Community Ditch dam.

Drainage Area—114 square miles.

Records Available—April 6, 1888 to October, 1892, May, 1895 to September, 1901, July, 1904 to 1944. Station maintained at Marshall, 4 miles downstream, from 1888 to 1892, 1896 to 1901, 1904 to 1908, and at Eldorado Springs from 1909 to 1945. All records were corrected for diversions before publishing, making them comparable. The transmountain diversion of the Moffat Tunnel from the Colorado River enters the basin; however, most of the water is diverted approximately $1\frac{1}{2}$ miles upstream from the station. Some of this water passes the gage.

Moffat Tunnel Diversion into South Boulder Creek

Water Year 1943	Acre Feet	Water Year 1944	Acre Feet
October	877	October	1,210
April	481	November	28
May	5,960	May	18
June	12,770	June	4,750
July	6,980	July	7,030
August	3,700	August	2,220
September	1,720	September	1,130
Total	32,490	Total	16,390

Maximum discharge during period 1888-1892, 1895-1901, 1904-1944; 7,390 second feet, September 2, 1938, by slope-area method. Gage height 9.24 feet from flood marks, site and datum then in use.

Maximum Discharge—Year 1943; 538 second feet, May 30. Gage height 4.08 feet.

Maximum Discharge—Year 1944; 528 second feet, June 2. Gage height 4.13 feet.

Accuracy—Records considered excellent above 100 second feet and good below except those for periods of ice effect, November 26, 1942 to March 25, 1943, November 8-10, November 27, 1943 to April 13, 1944, which were computed on basis of 9 discharge measurements, weather records, and are fair.

Diversions for irrigation above station.

BIG THOMPSON RIVER NEAR ESTES PARK, COLORADO

Location—Water stage recorder in Sec. 29, T. 5 N., R 72 W., 1½ miles east of village of Estes Park.

Drainage Area—158 square miles. Altitude 7,424 feet above mean sea level.

Records Available—June, 1930 to September 30, 1944. Prior to February, 1934; station was maintained 1½ miles downstream. Records are comparable.

Maximum discharge during period 1930-1944; 1,590 second feet, June 16, 1935, from rating curve extended 750 second feet. Gage height 5.54 feet.

Maximum Discharge—Year 1943; 932 second feet, June 2, from rating curve extended above 750 second feet. Gage height 4.14 feet.

Maximum Discharge—Year 1944; 777 second feet, June 11. Gage height 3.95 feet.

Accuracy—Records considered excellent, except those for period of ice effect, November 22, 1942 to April 14, 1943, November 7, 1943 to April 27, 1944, and period of missing gage heights, from April 26, 1943 to June 3, 1943, September 20-30, 1943, which were computed on basis of 11 discharge measurements,

weather records, and comparison with record at lower station, and are fair.

Diversions for irrigation above station. One small transmountain diversion from Colorado River into basin, the Eureka Ditch diverted 133 acre feet in 1943 and 85 acre feet in 1944.

BIG THOMPSON RIVER BELOW POWER HOUSE NEAR DRAKE, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 7, T. 5 N., R. 70 W., $\frac{1}{4}$ mile below City of Loveland hydro-electric plant, and $4\frac{1}{2}$ miles east of Drake. Cedar Creek enters $\frac{1}{8}$ mile downstream.

Drainage Area—277 square miles.

Records Available—October 1, 1928 to September 30, 1944. From September, 1917 to December, 1926, station at site 3 miles upstream. Records are comparable.

Maximum discharge during period 1917-1926, 1929-1944; 8,000 second feet, July 31, 1919, from rating curve extended above 2,000 second feet. Gage height 9.5 feet, site and datum then in use.

Maximum Discharge—Year 1943; 1,220 second feet, June 2, from rating curve extended above 950 second feet. Gage height 3.96 feet.

Maximum Discharge—Year 1944; 1,070 second feet, June 11. Gage height 3.78 feet.

Accuracy—Records considered excellent above 60 second feet and good below except those for period of no gage heights, March 17, April 25-28, May 1-6, September 26-30, 1943, February 10-17, 19-20, July 16-17, 1944, which are fair.

Diversions for irrigation above station. Small reservoir above power plant, capacity 30 acre feet.

BIG THOMPSON RIVER AT MOUTH OF CANYON NEAR DRAKE, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 10, T. 5 N., R. 70 W., just upstream from mouth of canyon, 450 feet upstream from Handy Ditch diversion dam, and $6\frac{1}{2}$ miles east of Drake. From 1917 to 1932 station was maintained at site $\frac{1}{2}$ mile upstream; records are equivalent.

Drainage Area—302 square miles.

Records Available—1917 to 1933, April 19, 1938 to September 30, 1944.

Maximum discharge during period 1917-1933, 1938-1944; 5,600 second feet, September 1, 1938, from rating curve extended above 1,100 second feet. Gage height 6.60 feet.

Maximum Discharge—Year 1943; 1,330 second feet, June 23. Gage height 3.57 feet.

Maximum Discharge—Year 1944; 3,730 second feet, June 7. Gage height 5.55 feet.

Accuracy—Records considered excellent except those for periods of ice effect, December 1, 1942 to April 30, 1943, November 8, 1943 to April 1, 1944, which were computed on basis of 11 discharge measurements, weather records and comparison with records for Big Thompson River below power house, and are fair.

Diversions for irrigation above station.

BIG THOMPSON RIVER AT MOUTH NEAR LA SALLE, COLORADO

Location—Water stage recorder in SW $\frac{1}{4}$ Sec. 34, T. 5 N., R. 66 W., at first bridge across Big Thompson River 1 mile upstream from mouth and 4 miles west of La Salle.

Drainage Area—818 square miles.

Records Available—April 1 to November 30, 1914, March 1, 1927 to September 30, 1944.

Maximum discharge during period 1914, 1927-1944; 3,000 second feet September 3, 1938 by slope area method. Gage height 7.31 feet.

Maximum Discharge—Year 1943; 878 second feet, June 3. Gage height 5.93 feet.

Maximum Discharge—Year 1944; 279 second feet, May 14. Gage height 4.06 feet.

Accuracy—Records considered good. Those for periods of ice effect, January 8-17, 29-February 1, 1944, and for period of missing gage heights, October 7-16, 1942, February 8-10, May 13-15, 1944, were computed on basis of discharge measurements, weather records and comparison of record of St. Vrain Creek near Platteville, and are fair.

Diversions for irrigation above station. Flow regulated by several reservoirs above station.

CACHE LA POUDDRE RIVER AT MOUTH OF CANYON NEAR FT. COLLINS, COLORADO

Location—Water stage recorder in Sec. 15, T. 8 N., R. 70 W., at mouth of canyon, 3 miles downstream from intake of Ft. Collins water works and 11 miles west of Ft. Collins. North Fork enters 3 miles upstream from gage.

Drainage Area—1,048 square miles. Altitude 5,070 feet above mean sea level.

Records Available—June 20, 1881 to August 5, 1881, March 15, 1884 to September 30, 1944.

Maximum discharge determined during period 1884-1944; 10,200 second feet, May 31, 1930. Gage height 7.90 feet. Greatest maximum discharge known occurred May 20, 1904, discharge

not determined. Flood of June 9, 1891, caused by failure of Chambers Lake dam, given in biennial report as 21,000 second feet.

Maximum Discharge—Year 1943; 3,380 second feet, June 2. Gage height 4.92 feet.

Maximum Discharge—Year 1944; 2,770 second feet, June 10. Gage height 4.58 feet.

Accuracy—Records considered excellent, except those for period of ice effect, January 17-February 25, March 3-10, 1943, and from December 10, 1943 to March 21, 1944, which were computed on basis of 4 discharge measurements and weather records, and are fair.

Diversions for irrigation above station. Transmountain diversions from the Colorado, Laramie, and Michigan Rivers and Sand Creek enter above station. Flow of the stream is controlled by several reservoirs above station.

Transmountain Diversion into Cache la Poudre River Basin													
Water Year 1943						Water Year 1944							
May	June	July	Aug.	Sept.	Total	May	June	July	Aug.	Sept.	Total		
In Acre Feet						In Acre Feet							
From Colorado River Basin													
Grand River Ditch	1020	8940	6040	1470	63	17530	252	9480	6000	906	16	16650
From North Platte River Basin													
Cameron Pass Ditch	No Diversion				0	0	119	67	0	0	186	
Michigan Ditch		0	655	839	43	0	1540	0	1070	706	31	0	1810
From Laramie River Basin													
Bob Creek Ditch	No Diversion				0		No Diversion			0		
Columbine Ditch	No Diversion				0		No Diversion			0		
Deadman Ditch	No Diversion				0		No Diversion			0		
Laramie-Poudre Tunnel	1020	916	4060	2410	555	8960	1590	6850	641	0	0	9080
Lost Lake Ditch	385	119	0	0	0	504	93	124	0	0	0	217
Skyline Ditch		1470	2420	4840	1000	0	9730	693	6300	3600	0	0	10590
From Sand Creek Basin (Into North Fork of Cache la Poudre)													
Divide Ditch	1110	32	0	0	0	1140	599	1100	0	0	0	1700

CACHE LA POUDE RIVER NEAR MOUTH NEAR GREELEY, COLORADO

Location—Water stage recorder in Sec. 2, T. 5 N., R. 65 W. at highway bridge $2\frac{1}{2}$ miles upstream from mouth and 2 miles east of Greeley.

Drainage Area—1,840 square miles.

Records Available—March 24, 1903 to November 30, 1940, February 1, 1914 to December 17, 1919, and May 27, 1924 to September 30, 1944.

Maximum daily discharge during period 1903-1904, 1914-1919, 1924-1944; 4,220 second feet, June 24 and 26, 1917. Gage height 7.30 feet, site and datum then in use.

Maximum Discharge—Year 1943; 1,630 second feet, May 7 from rating curve extended above 550 second feet. Gage height 7.00 feet.

Maximum Discharge—Year 1944; 510 second feet, May 18. Gage height 4.67 feet.

Accuracy—Records considered good.

Diversions for irrigation above station.

BOX ELDER CREEK NEAR HUDSON, COLORADO

Location—Staff gage in South $\frac{1}{2}$ of Sec. 12, T. 1 S., R. 65 W., 1.1 miles upstream from Bootleg Reservoir dam and 7 miles south of Hudson.

Drainage Area—285 square miles.

Records Available—March 8, 1940 to December 19, 1940, August 1, 1942 to September 30, 1944.

Maximum Discharge during period 1940, 1942-1944; 1,010 second feet, July 15, 1944. Gage height 4.30 feet.

Maximum Discharge—Year 1943; 190 second feet, August 5. Gage height 2.80 feet.

Maximum Discharge—Year 1944; 1,010 second feet, July 15. Gage height 4.30 feet.

Accuracy—Records considered fair.

Diversion for irrigation above station.

NORTH FORK OF REPUBLICAN RIVER NEAR WRAY, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ of NW $\frac{1}{4}$ Sec. 9, T. 1 N., R. 44 W., 2 miles upstream from Chief Creek and 3.3 miles west of Wray.

Records Available—March 23, 1937 to September 30, 1944.

Maximum discharge during period 1937-1944; 270 second feet, July 13, 1938, from rating curve extended above 150 second feet. Gage height 9.82 feet.

Maximum Discharge—Year 1943; 45 second feet, October 15. Gage height 6.10 feet.

Maximum Discharge—Year 1944; 163 second feet, August 23. Gage height 8.01 feet.

Accuracy—Records considered good except those estimated for period October 7-12, 16-18, 1942, April 9-15, September 15-22, 24, 25, 1943 and January 28 to February 19, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Diversions for irrigation above station.

NORTH FORK OF REPUBLICAN RIVER AT COLORADO- NEBRASKA STATE LINE

Location—Water stage recorder in Sec. 10, T. 1 N., R. 42 W., 100 feet east of Colorado-Nebraska State line.

Zero of gage is 3,336.09 feet above mean sea level, datum of 1929.

Records Available—March 1931 to September 30, 1944.

Maximum discharge during period 1931-1944; 1,220 second feet, September 3, 1940, from rating curve extending above 340 second feet. Gage height 5.72 feet.

Maximum Discharge—Year 1943; 144 second feet, October 15. Gage height 2.67 feet.

Maximum Discharge—Year 1944; 158 second feet, August 22. Gage height 2.68 feet.

Accuracy—Records considered good except those for periods October 28-November 4, 1942, January 18-24, 1943, February 11, March 6-8, December 15, 1943, January 7-15, 27, February 3, 1944, February 11-14, 1944, and for period of missing gage heights December 30, 1943 to January 4, 1944, February 17-21, August 23 to September 1, 1944, which are fair.

Many diversions for irrigation above station.

GRIZZLY CREEK NEAR WALDEN, COLORADO

Location—Water stage recorder in Sec. 29, T. 8 N., R. 80 W., at bridge on State Highway 14, 10 miles southwest of Walden and $\frac{1}{2}$ mile upstream from Little Grizzly Creek.

Drainage Area—252 square miles.

Records Available—May 1904 to October 1905, May to September, 1923, October 1926 to September 30, 1944.

Maximum discharge during period 1904-1905, 1923, 1926-1944; 1,340 second feet, June 10, 1923, from rating curve extended above 500 second feet. Gage height 4.8 feet.

Maximum Discharge—Year 1943; 542 second feet, June 3. Gage height 3.96 feet.

Maximum Discharge—Year 1944; 410 second feet, May 21. Gage height 3.64 feet.

Accuracy—Records considered good except those for periods of ice effect and no gage heights, October 30, November 5-8, 10-12, 15-18, 1942, April 1-8, 1943, September 4-30, October 11-November 15, 1943, which were computed on basis of records for North Platte River near Walden, and are fair.

Diversions for irrigation above station.

LITTLE GRIZZLY CREEK AT MOUTH NEAR HEBRON, COLORADO

Location—Water stage recorder in Sec. 32, T. 8 N., R. 80 W., 1 mile upstream from junction with Grizzly Creek and 3 miles north of Hebron.

Drainage Area—96 square miles.

Records Available—June, 1904 to October, 1905, June, 1931 to September 30, 1944.

Maximum discharge during period 1904-1905, 1931-1944; 592 second feet, June 11, 1905.

Maximum Discharge—Year 1943; 495 second feet, June 2. Gage height 4.83 feet.

Maximum Discharge—Year 1944; 367 second feet, June 1. Gage height 4.25 feet.

Accuracy—Records considered good except those for period of ice effect, November 10, 11, 1942, April 13-18, 1944, and for periods of missing gage heights, April 1-8, 1943, which were computed on basis of records for North Platte River near Walden, and Roaring Fork near Walden, and are fair.

Diversions for irrigation above station.

ROARING FORK NEAR WALDEN, COLORADO

Location—Water stage recorder in Sec. 11, T. 8 N., R. 81 W., at highway bridge 10 miles southwest of Walden, and 1½ miles upstream from mouth.

Drainage Area—84 square miles. Zero of gage is 8,037.44 feet above mean sea level, adjustment of 1912.

Records Available—May, 1904 to October, 1905, October, 1923 to September 30, 1944.

Maximum discharge during period 1904-1905, 1923-1944; 790 second feet, June 15, 1924. Gage height 3.73 feet.

Maximum Discharge—Year 1943; 572 second feet, June 26. Gage height 3.55 feet.

Maximum Discharge—Year 1944; 244 second feet, June 26. Gage height 2.05 feet.

Accuracy—Records considered good except for periods of ice effect and no gage height record, April 7, June 10-14, 1943, October 8-13, 24-29, November 2-7, 1943 and April 1-14, 1944, which were computed on basis of weather records and records for nearby stations, and are fair.

Diversions for irrigation above station.

NORTH PLATTE RIVER NEAR WALDEN, COLORADO

Location—Water stage recorder in Sec. 6, T. 8 N., R. 80 W., at highway bridge 8 miles southwest of Walden. Roaring Fork enters upstream from station.

Drainage Area—463 square miles.

Records Available—May 13, 1904 to October 31, 1905, October 1, 1923 to September 30, 1944.

Maximum discharge during period 1904-1905, 1923-1944; 1,940 second feet, April 19, 1938. Gage height 5.74 feet.

Maximum Discharge—Year 1943; 1,660 second feet, June 2. Gage height 5.30 feet.

Maximum Discharge—Year 1944; 836 second feet, June 1. Gage height 3.58 feet.

Accuracy—Records considered excellent except those for periods of ice effect, November 11, 1942, November 7-10, 1943, April 16, 1944, and no gage height record, April 1-7, 1943, which are fair.

Diversions for irrigation above station.

NORTH PLATTE RIVER NEAR NORTHGATE, COLORADO

Location—Water stage recorder in Sec. 11, T. 11 N., R. 80 W., at highway bridge 6 miles south of Colorado-Wyoming State line and 6 miles northwest of Northgate.

Drainage Area—1,440 square miles. Zero of gage 7,806.98 feet above mean sea level, adjustment of 1912.

Records Available—May to November, 1904, May, 1915 to September 30, 1944.

Maximum discharge during period 1904, 1915-1944, 6,720 second feet, June 11, 1923, from rating curve extended above 4,500 second feet. Gage height 6.24 feet.

Maximum Discharge—Year 1943; 3,250 second feet, June 3. Gage height 4.22 feet.

Maximum Discharge—Year 1944; 1,400 second feet, June 4. Gage height 2.91 feet.

Accuracy—Records considered excellent except those for periods of ice effect and no gage height record, October 31, November 11, November 16, 1942 to April 3, 1943, November 5-15, November 25, 1943 to April 25, 1944, which were computed on basis of 7 discharge measurements, weather records and comparison with lower station, and are fair.

Diversions for irrigation above station.

NORTH FORK OF NORTH PLATTE RIVER NEAR WALDEN, COLORADO

Location—Water stage recorder in Sec. 29, T. 9 N., R. 80 W., at Erickson Ranch, $\frac{1}{4}$ mile upstream from mouth and 7 miles west of Walden.

Drainage Area—168 square miles.

Records Available—October, 1923 to September, 1928, May, 1937 to September 30, 1944.

Maximum discharge during period 1923-1928, 1937-1944; 694 second feet, April 19, 1926, from rating curve extended above 400 second feet. Gage height 2.63 feet, former datum.

Maximum Discharge—Year 1943; 547 second feet, June 2, from rating curve extended above 300 second feet. Gage height 3.05 feet.

Maximum Discharge—Year 1944; 279 second feet, May 20. Gage height 2.32 feet.

Accuracy—Records considered good, except those for periods of ice effect, October 31, November 6, 11-15, 1942, April 1-9, November 9-10, 1943 and April 15 to May 15, 1944, which were computed on basis of discharge measurements, weather records, and are fair.

Diversions for irrigation above station.

MICHIGAN RIVER AT WALDEN, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 21, T. 9 N., R. 79 W., $\frac{1}{2}$ mile north of Walden, and $1\frac{1}{4}$ miles upstream from Illinois Creek at old highway bridge near State Highway 125.

Drainage Area—185 square miles. Zero of gage 8,044.87 feet above mean sea level, adjustment of 1912.

Records Available—May, 1904 to October 31, 1905, June 1, 1908 to July 26, 1918, May 1, 1923 to September 30, 1944.

Maximum discharge during period 1904-1905, 1908-1918, 1923-1944; 1,070 second feet, June 10, 1923, from rating curve extended above 700 second feet. Gage height 3.3 feet.

Maximum Discharge—Year 1943; 390 second feet, June 3. Gage height 2.60 feet.

Maximum Discharge—Year 1944; 280 second feet, May 19. Gage height 2.30 feet.

Accuracy—Records considered good except those for period of ice effect, November 11, 12, 17, 18, 1943, November 7-9, 1943, April 16-19, 1944, and for periods of missing gage heights, April 1-9, 1943, which are fair and were computed on basis of records for nearby stations.

Diversions for irrigation above station.

MICHIGAN RIVER NEAR COWDREY, COLORADO

Location—Water stage recorder in NE $\frac{1}{4}$ Sec. 11, T. 10 N., R. 80 W., 1 mile upstream from mouth and 1 $\frac{1}{2}$ miles west of Cowdrey.

Drainage Area—480 square miles. Zero of gage 7,878.28 feet above mean sea level, adjustment of 1912.

Records Available—May, 1904 to October, 1905, May, 1937 to September 30, 1944.

Maximum discharge during period 1904-1905, 1937-1944; 925 second feet, April 19, 1938. Gage height 3.40 feet.

Maximum Discharge—Year 1943; 610 second feet, June 5. Gage height 3.31 feet.

Maximum Discharge—Year 1944; 222 second feet, June 5. Gage height 2.39 feet.

Accuracy—Records considered good, except those for periods of ice effect and missing gage heights, April 1-10, 1943, November 1-9, April 15-25, 1944, computed on basis of discharge measurements, weather records, and comparison with nearby station records and are fair.

Diversions for irrigation above station.

ILLINOIS CREEK AT WALDEN, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 29, T. 9 N., R. 79 W., $\frac{1}{2}$ mile southwest of Walden. Prior to July 1, 1937, station located 350 feet upstream at different datum.

Drainage Area—259 square miles. Zero of gage is 8,038.80 feet above mean sea level, adjustment of 1912.

Records Available—May 1, 1917 to August 31, 1918, and May 1, 1923 to September 30, 1944.

Maximum discharge during period 1917-1918, 1923-1944, 2,520 second feet, May 28, 1926. Gage height 6.40 feet, former site and datum.

Maximum Discharge—Year 1943; 383 second feet, June 4. Gage height 3.34 feet.

Maximum Discharge—Year 1944; 117 second feet, June 4. Gage height 1.85 feet.

Accuracy—Records considered good except those for period of missing gage heights, April 1-10, 1943, which were estimated on basis of record for North Platte River at Northgate.

Diversions for irrigation above station.

CANADIAN RIVER AT COWDREY, COLORADO

Location—Water stage recorder in Sec. 6, T. 10 N., R. 79 W., 1,000 feet upstream from Government Creek, and $\frac{1}{2}$ mile north of Cowdrey. Prior to November 15, 1931, recorder 600 feet upstream at different datum. One small diversion between these two sites.

Drainage Area—174 square miles. Zero of gage is 7,869.54 feet above mean sea level, adjustment of 1912.

Records Available—May, 1904 to October, 1905, May, 1929 to November, 1931, May, 1937 to September 30, 1944.

Maximum daily discharge during period 1904-1905, 1929-1931, 1937-1944; 600 second feet, June 10, 1905.

Maximum Discharge—Year 1943; 179 second feet, June 3. Gage height 2.98 feet.

Maximum Discharge—Year 1944; 197 second feet, June 6. Gage height 3.15 feet.

Accuracy—Records considered good except for period of no gage height, April 1-10, November 1-9, 1943, which were computed on basis of discharge measurement, weather records, and comparison with Northgate Station, and are fair.

Diversions for irrigation above station.

LARAMIE RIVER NEAR GLENDEVEY, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 36, T. 10 N., R. 76 W., just downstream from mouth of Nunn Creek and upstream from Stub Creek at Sholine Ranch, and $1\frac{1}{2}$ miles north of present location of Glendevy postoffice.

Drainage Area—101 square miles.

Records Available—June 24, 1904 to October 31, 1905, August 18, 1910 to September 30, 1944.

Maximum discharge during period 1904-1905, 1910-1944; 2,240 second feet, June 9, 1923, from rating curve extended above 1,350 second feet. Gage height 4.55 feet, site and datum then in use.

Maximum Discharge—Year 1943; 800 second feet, June 26. Gage height 3.84 feet.

Maximum Discharge—Year 1944; 340 second feet, May 31. Gage height 2.80 feet.

Accuracy—Records considered good except those for period of ice effect, November 5-7, 10-14, 17, 22-23, 25-27, 1942, April 1-5, 1943, November 7-8, 26-30, 1943 and April 1-5, 1944, which were computed on basis of weather records, and are fair.

Diversions above station for irrigation include two large transmountain diversions into Cache la Poudre River. (See Station record for Cache la Poudre River at Canon Mouth near Fort Collins.)

LARAMIE RIVER NEAR JELM, WYOMING

Location—Water stage recorder in Sec. 15, T. 12 N., R. 77 W., $\frac{1}{4}$ mile north of Colorado-Wyoming State line, $\frac{1}{2}$ mile upstream from Johnson Creek and 4 miles south of Jelm.

Drainage Area—297 square miles. Zero of gage is 7,685.32 feet above mean sea level, adjustment of 1912.

Records Available—June, 1904 to October, 1905, May 7, 1911 to September 30, 1944.

Maximum discharge during period 1904-1905, 1911-1944; 4,200 second feet, June 9, 1923. Gage height 4.15 feet.

Maximum Discharge—Year 1943; 1,540 second feet, June 2. Gage height 3.71 feet.

Maximum Discharge—Year 1944; 876 second feet, May 31. Gage height 3.07 feet.

Accuracy—Records considered excellent except those for periods of ice effect, November 5-7, 1942 to April 4, 1943 and November 7, 8, November 24, 1943 to April 20, 1944, which were computed on basis of discharge measurements, and weather records, and are fair.

Diversions for irrigation above station.

**Discharge of South Platte River Above 11-Mile Canon Reservoir Near Hartsel, Colo., for
Year Ending Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	24	38	....	....	....	....	70	110	56	240	173	90
2....	24	44	....	....	....	....	72	112	49	200	173	86
3....	24	36	....	....	....	....	74	137	77	140	175	80
4....	22	37	....	....	....	....	82	149	58	99	195	75
5....	22	28	....	....	....	....	85	146	58	103	190	71
6....	22	23	....	....	....	....	86	112	57	110	183	65
7....	22	27	....	....	....	....	92	97	50	119	181	60
8....	22	30	....	....	....	....	82	90	42	157	204	56
9....	22	31	....	....	....	....	79	97	45	193	204	56
10....	22	....	....	....	....	....	66	102	66	247	195	46
11....	24	....	....	....	....	....	55	92	173	231	183	32
12....	26	....	....	....	....	....	58	71	146	217	175	28
13....	27	....	....	....	....	....	62	54	105	185	165	26
14....	41	....	....	....	....	....	65	46	72	142	156	25
15....	45	....	....	....	....	....	60	44	54	125	110	27
16....	49	....	....	....	....	....	59	38	47	115	99	30
17....	45	....	....	....	....	....	63	31	36	105	140	25
18....	43	....	....	....	....	....	59	25	34	92	185	25
19....	41	....	....	....	....	....	54	35	45	85	178	25
20....	40	....	....	....	....	....	60	56	62	81	160	36
21....	39	....	....	....	....	....	66	63	90	81	140	31
22....	39	....	....	....	....	....	65	74	157	99	132	29
23....	37	....	....	....	....	....	66	61	200	126	125	30
24....	41	....	....	....	....	....	72	53	188	109	119	28
25....	47	....	....	....	....	....	77	42	218	120	122	26
26....	41	....	....	....	....	....	80	38	235	98	125	25
27....	41	....	....	....	....	....	79	31	238	112	119	25
28....	39	....	....	....	....	....	77	24	238	110	106	23
29....	39	....	....	....	....	....	77	29	253	113	96	24
30....	37	Nov. 1	....	....	....	....	93	57	224	168	92	30
31....	37	to 9	....	....	....	....	....	61	....	204	93	....
Total	1044	294	....	....	....	....	2135	2177	3373	4326	4693	1229
Mean.	33.7	32.7	....	....	....	....	71.2	70.2	112	140	151	41.0
Max..	49	44	....	....	....	....	93	149	253	247	204	90
Min..	22	23	....	....	....	....	54	24	34	81	92	23
Acre-ft.	2070	583	....	....	....	....	4230	4320	6690	8580	9310	2440

Total run-off for period=38,220 acre-feet.

**Discharge of South Platte River Above 11-Mile Canon Reservoir Near Hartsel, Colo., for
Year Ending Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	31	208	11	....	....	....	80	118	352	206	72	13
2....	31	204	11	....	....	....	80	148	330	195	66	11
3....	30	208	11	....	....	....	80	108	309	226	62	8.4
4....	28	213	11	....	....	....	80	89	303	255	56	7.2
5....	26	220	11	....	....	....	80	92	264	292	52	7.2
6....	23	211	11	....	....	....	80	119	202	220	61	6.6
7....	21	202	11	....	....	....	80	188	143	130	64	6.6
8....	21	48	11	....	....	....	80	156	144	103	74	6.0
9....	21	45	11	....	....	....	80	119	138	92	76	4.2
10....	21	30	11	....	....	....	80	96	168	85	79	3.0
11....	21	30	11	....	....	....	80	97	217	85	76	4.2
12....	22	32	11	....	....	....	80	172	233	98	72	5.4
13....	22	23	11	....	....	....	80	188	197	88	68	5.4
14....	22	24	*11	....	....	....	80	208	186	61	64	5.4
15....	22	26	11	....	....	....	80	231	231	53	62	5.4
16....	24	14	11	....	....	....	80	249	244	119	62	6.0
17....	24	14	11	....	....	....	80	260	247	137	61	6.0
18....	25	14	11	....	....	....	80	227	186	142	61	6.0
19....	24	14	11	....	....	....	80	208	130	113	53	6.0
20....	24	14	11	....	....	....	80	197	131	154	44	5.4
21....	26	14	11	....	....	....	80	200	132	218	50	4.8
22....	119	14	11	....	....	....	*62	188	151	204	48	4.8
23....	144	14	11	....	....	....	64	180	140	190	45	4.8
24....	144	14	11	....	....	....	68	180	136	190	45	4.8
25....	148	14	11	....	....	....	72	204	195	183	43	4.8
26....	170	14	11	....	....	....	88	253	227	144	40	6.6
27....	176	14	11	....	....	....	108	313	202	122	39	10
28....	176	14	11	....	....	....	167	356	165	105	36	13
29....	195	14	11	....	....	....	156	324	181	102	32	13
30....	211	14	11	....	....	....	119	309	200	99	26	12
31....	208	....	11	....	....	....	....	322	....	81	21	....
Total	2200	1934	341	232.5	174.0	558	2584	6099	6084	4492	1710	2070
Mean.	71.0	69.5	11.0	7.5	6.0	18.0	86.1	197	203	145	55.2	6.9
Max..	211	220	....	....	....	....	167	356	352	292	79	13
Min..	21	....	....	....	....	....	....	89	130	53	21	3.0
Acre-ft.	4360	3840	676	461	345	1110	5130	12100	12070	8910	3390	411

Total run-off for period=52,800 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of South Platte River Below 11-Mile Canon Reservoir, Near Lake George, Colo.,
for Year Ending Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	25	26	22	17	16	22	38	68	42	185	145	94
2....	23	21	22	18	16	22	42	69	43	186	154	88
3....	22	22	20	18	17	23	47	75	39	179	160	82
4....	21	23	22	18	18	22	50	84	34	160	164	76
5....	21	21	19	18	18	22	54	91	35	140	172	71
6....	20	18	19	18	18	23	62	92	34	129	178	64
7....	19	18	19	17	18	22	78	96	37	121	178	56
8....	19	18	19	18	18	22	84	96	36	117	185	52
9....	18	19	19	18	18	22	84	97	37	122	196	52
10....	18	17	18	19	18	22	81	97	37	132	197	47
11....	18	17	18	19	18	22	79	96	47	145	198	44
12....	19	17	18	19	18	22	75	90	61	151	193	39
13....	20	17	17	19	18	22	73	85	70	151	186	37
14....	22	17	17	18	16	22	70	75	70	149	180	33
15....	23	20	17	19	16	22	69	70	67	146	169	29
16....	26	20	17	18	16	23	69	63	59	134	160	32
17....	27	18	16	16	17	23	75	56	54	123	162	38
18....	29	18	16	16	18	23	74	54	50	117	167	34
19....	29	18	16	16	17	24	73	52	48	108	169	29
20....	28	17	16	16	16	25	70	50	46	103	167	26
21....	31	18	16	17	17	25	69	51	47	103	163	23
22....	31	18	16	18	18	25	68	54	53	113	158	21
23....	25	18	16	18	18	25	67	56	70	114	149	19
24....	26	20	16	17	18	25	67	54	84	114	144	19
25....	26	21	16	17	20	26	64	53	98	117	138	17
26....	25	20	17	16	21	27	68	50	112	116	132	16
27....	24	19	16	16	20	27	61	46	127	113	128	16
28....	24	18	16	16	22	28	64	42	137	112	124	14
29....	25	22	16	16	....	28	64	42	154	112	117	14
30....	25	22	17	16	....	29	60	42	175	118	108	17
31....	26	....	17	16	....	36	....	43	....	133	102	....
Total	735	578	546	538	499	751	1999	2089	2003	4063	4943	1199
Mean.	23.7	19.3	17.6	17.4	17.8	24.2	66.6	67.4	66.8	131	159	400
Max..	31	26	22	19	22	36	84	97	175	186	198	94
Min..	18	17	16	16	16	22	38	42	34	103	102	14
Acre-ft.	1460	1150	1080	1070	990	1490	3960	4140	3970	8060	9800	2380

Total run-off for water year=39,550 acre-feet.

**Discharge of South Platte River Below 11-Mile Canon Reservoir Near Lake George, Colo.,
Year Ending Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	17	247	4.8	7.2	6.0	3.0	14	107	312	187	110	23
2....	16	244	4.8	7.2	6.0	3.0	14	110	315	188	104	20
3....	16	239	4.8	7.2	5.2	3.6	14	114	313	190	99	16
4....	15	238	4.8	7.2	5.2	5.2	16	113	313	194	90	14
5....	14	238	4.8	7.2	5.2	3.8	21	110	301	208	84	12
6....	13	236	4.8	7.2	4.4	4.4	25	106	282	216	78	10
7....	12	236	4.8	7.2	5.2	4.4	26	110	265	198	75	8.0
8....	10	236	4.8	7.6	5.2	4.4	30	120	239	174	74	6.8
9....	9.5	23	4.8	7.6	5.2	4.4	42	124	218	159	72	5.2
10....	8.5	5.2	4.8	7.6	5.2	4.4	53	124	204	141	71	3.2
11....	9.0	5.2	4.8	7.6	4.0	4.4	59	120	202	130	73	3.2
12....	8.5	5.2	4.8	7.6	4.0	4.4	63	120	204	125	71	2.8
13....	7.2	5.2	9.5	7.6	4.0	4.4	70	130	204	118	71	2.4
14....	5.2	5.6	7.2	7.6	4.0	5.2	77	142	200	107	68	1.8
15....	5.6	5.6	8.0	7.6	3.2	6.4	86	155	200	93	66	1.8
16....	5.6	5.6	8.5	7.6	3.2	6.8	92	165	204	86	64	1.6
17....	5.6	5.2	8.5	7.2	3.2	7.2	96	186	210	86	61	1.6
18....	5.2	3.6	8.5	7.6	3.2	8.0	95	191	208	86	58	1.6
19....	5.6	4.0	8.5	7.6	3.2	9.5	93	191	197	87	57	1.8
20....	5.2	4.4	8.5	7.2	3.2	10	93	190	188	89	53	1.8
21....	4.0	4.8	8.5	7.2	3.4	15	90	194	179	111	52	1.8
22....	4.8	5.2	8.5	7.2	3.2	15	88	194	170	122	51	2.0
23....	9.0	6.0	8.5	6.8	3.2	14	82	191	160	130	46	2.2
24....	15	6.8	8.5	6.8	3.2	14	77	190	160	139	46	2.4
25....	56	6.4	7.6	6.8	3.2	14	76	188	167	149	46	2.4
26....	105	7.2	7.2	7.6	3.2	14	75	200	179	149	40	2.2
27....	138	7.2	7.2	7.6	3.0	15	75	222	181	142	38	2.2
28....	181	5.2	7.6	7.6	3.0	14	83	249	179	134	35	2.2
29....	233	4.0	7.6	6.8	3.0	14	101	276	181	124	31	2.0
30....	261	4.8	7.2	6.8	....	14	107	298	186	122	28	2.0
31....	252	....	7.2	6.0	....	15	....	303	....	117	26	....
Total	1452.5	1952.4	210.4	225.6	116.4	264.9	1933	5233	6522	4301	1938	160.0
Mean.	46.9	65.1	6.79	7.28	4.01	8.55	64.4	169	217	139	62.5	5.33
Max..	261	247	9.5	7.6	6.0	15	107	303	315	216	110	23
Min..	4.0	3.6	4.8	6.0	3.0	3.0	14	106	160	86	26	1.6
Acre-ft.	2880	3870	417	447	231	525	3830	10380	12940	8530	3840	317

Total run-off for water year=48,210 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Platte River Above Lake Cheesman, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	61	....	....	....	....	....	....	107	76	172	119	89
2....	57	....	....	....	....	....	....	109	76	175	133	87
3....	52	....	....	....	....	....	....	105	70	159	146	89
4....	51	....	....	....	....	....	....	107	64	142	144	83
5....	49	....	....	....	....	....	....	113	59	127	148	76
6....	44	....	....	....	....	....	....	115	59	119	150	68
7....	43	....	....	....	....	....	....	119	58	111	146	61
8....	43	....	....	....	....	....	....	119	64	107	144	52
9....	42	....	....	....	....	....	....	121	51	117	157	54
10....	40	....	....	....	....	....	....	119	51	101	186	61
11....	40	....	....	....	....	....	....	121	56	111	183	54
12....	38	....	....	....	....	....	....	101	63	119	168	54
13....	42	....	....	....	....	....	....	93	79	144	155	48
14....	44	....	....	....	....	....	....	85	83	146	142	43
15....	56	....	....	....	....	....	....	77	79	140	148	38
16....	68	....	....	....	....	....	....	70	74	127	142	37
17....	70	....	....	....	....	....	....	66	66	117	150	36
18....	68	....	....	....	....	....	117	66	64	107	164	40
19....	91	....	....	....	....	....	113	68	59	99	172	38
20....	49	....	....	....	....	....	101	70	58	97	159	34
21....	44	....	....	....	....	....	95	76	64	127	148	32
22....	61	....	....	....	....	....	99	77	64	117	138	30
23....	64	....	....	....	....	....	97	81	59	101	125	29
24....	63	....	....	....	....	....	99	79	79	101	119	29
25....	70	....	....	....	....	....	103	74	101	105	117	28
26....	66	....	....	....	....	....	103	68	113	99	111	28
27....	63	....	....	....	....	....	109	63	121	91	111	27
28....	70	....	....	....	....	....	101	59	125	85	109	28
29....	76	....	....	....	....	....	101	56	136	85	105	27
30....	81	....	....	....	....	....	101	63	177	93	103	27
31....	79	....	....	....	....	....	Apr. 18-30	68	....	103	99	....
Total	1785	....	....	....	....	....	1339	2715	2348	3644	4341	1427
Mean.	57.6	....	....	....	....	....	103	87.6	78.3	118	140	47.6
Max..	91	....	....	....	....	....	117	121	177	175	186	89
Min..	38	....	....	....	....	....	95	56	51	85	99	27
Acre-ft.	3540	....	....	....	....	....	2660	5390	4660	7230	8610	2830

Total run-off for water year=34,920 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Platte River Below Lake Cheesman, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	113	59	74	34	34	34	18	168	166	306	231	184
2....	114	59	62	34	34	34	17	159	168	285	312	159
3....	116	58	53	35	34	34	16	204	157	262	528	157
4....	114	58	53	34	34	34	16	221	147	228	556	165
5....	113	58	40	34	34	34	15	216	138	201	550	165
6....	113	58	22	33	34	34	15	249	127	182	550	138
7....	103	58	22	33	34	34	15	262	124	161	532	124
8....	89	57	28	33	34	34	15	252	119	201	375	118
9....	89	57	36	33	34	34	15	239	118	206	265	106
10....	103	56	35	33	34	34	15	218	110	239	294	116
11....	119	55	34	33	34	34	14	204	116	254	369	130
12....	119	46	34	33	34	34	15	221	127	270	397	108
13....	77	41	34	33	34	34	15	231	140	270	333	108
14....	57	37	34	33	34	34	15	211	147	226	276	108
15....	57	32	34	33	34	34	15	196	147	216	282	113
16....	84	32	34	33	34	34	15	140	138	221	309	112
17....	100	31	34	34	34	34	15	116	129	216	321	112
18....	100	31	34	34	34	34	15	124	116	161	348	121
19....	76	31	34	34	34	34	15	64	107	149	390	118
20....	91	32	35	34	34	34	16	20	98	204	366	106
21....	89	33	35	34	34	34	162	36	93	211	327	104
22....	69	37	35	24	34	34	211	118	90	321	300	91
23....	63	47	34	34	34	34	147	156	88	282	288	90
24....	63	44	34	34	34	34	137	161	96	213	244	90
25....	63	40	35	34	34	34	138	152	122	216	228	94
26....	61	54	34	34	34	20	140	144	149	234	226	94
27....	59	70	35	34	34	21	166	135	175	249	226	94
28....	59	71	35	34	34	20	172	127	194	226	223	94
29....	58	72	35	34	....	20	165	127	206	208	223	94
30....	58	74	34	34	....	19	166	166	267	208	216	93
31....	58	....	35	34	....	18	....	177	....	211	204	....
Total	2647	1488	1147	1044	952	968	1911	5214	4119	7037	10289	3506
Mean.	85.4	49.6	37.0	33.7	34.0	31.2	63.7	168	137	227	332	117
Max..	119	74	74	35	34	34	211	262	267	321	556	184
Min..	57	31	22	33	34	18	14	20	88	149	204	90
Acre-ft.	5250	2950	2280	2070	1890	1920	3790	10340	8170	13960	20410	6950

Total run-off for water year=79,980 acre-feet.

Discharge of South Platte River Below Lake Cheesman, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	92	93	21	74	13	9.6	12	9.0	610	315	132	336
2....	92	93	21	74	12	9.6	12	9.0	596	315	163	309
3....	92	102	21	74	12	9.6	12	9.0	585	330	230	152
4....	92	114	22	74	11	9.6	12	9.0	585	372	210	154
5....	91	114	23	74	11	9.6	12	8.5	571	442	203	138
6....	91	108	23	73	10	9.6	11	8.5	550	424	199	122
7....	100	88	23	73	10	9.6	11	8.5	536	372	199	106
8....	106	87	23	73	10	9.6	11	8.5	498	291	195	92
9....	100	86	23	73	10	9.6	11	8.5	462	252	175	108
10....	95	85	23	73	10	10	11	8.5	424	228	177	124
11....	112	84	23	72	10	10	11	8.5	403	212	189	124
12....	156	84	24	72	10	10	11	8.5	406	201	189	128
13....	150	84	24	72	10	10	11	14	420	195	220	80
14....	148	65	24	70	10	10	11	14	417	187	375	54
15....	152	27	24	70	10	11	11	19	389	177	348	55
16....	164	28	25	70	10	11	11	291	372	171	372	54
17....	164	28	22	70	10	11	11	459	357	167	378	55
18....	162	28	22	70	10	11	11	445	342	169	342	63
19....	156	28	21	70	10	11	11	434	333	175	189	70
20....	147	28	33	69	9.6	11	11	434	309	210	189	90
21....	146	27	76	69	9.6	11	11	442	285	230	179	89
22....	144	27	76	69	9.6	11	11	431	255	232	169	90
23....	142	26	76	69	9.6	11	11	431	240	235	171	106
24....	142	26	76	69	9.6	11	10	420	235	235	189	144
25....	142	26	76	69	9.6	12	10	414	235	232	183	144
26....	142	26	76	69	9.6	12	10	414	324	230	161	133
27....	142	26	76	69	9.6	12	10	445	339	225	185	124
28....	142	27	76	69	9.6	12	10	512	330	203	357	104
29....	78	23	74	69	9.6	12	9.6	588	324	185	354	95
30....	86	21	74	69	....	12	9.6	620	315	161	351	92
31....	92	....	74	48	....	12	....	624	....	135	327	....
Total	3860	1709	1295	2178	295.0	330.4	327.2	7555.0	12047	7508	7300	3535
Mean.	125	57.0	41.8	70.3	10.2	10.7	10.9	244	402	242	235	118
Max..	164	114	76	74	13	12	12	624	610	442	378	336
Min..	73	21	21	48	9.6	9.6	9.6	8.5	235	135	132	54
Acre-ft.	7660	3390	2570	4320	585	655	649	14990	23890	14890	14480	7010

Total run-off for water year=95,050 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Platte River at South Platte, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	214	201	187	165	124	95	125	446	616	707	347	297
2....	221	210	196	153	124	75	119	485	643	638	358	266
3....	224	205	182	144	124	86	133	490	577	560	588	261
4....	221	203	171	116	107	126	139	495	530	490	638	256
5....	221	194	178	125	110	122	133	485	500	442	689	253
6....	221	182	117	134	108	114	139	480	485	414	665	247
7....	219	194	104	124	114	130	155	535	510	390	695	240
8....	198	191	126	128	120	134	161	540	500	377	520	228
9....	196	198	163	134	122	136	164	505	525	480	442	221
10....	196	167	191	137	110	120	160	525	540	419	351	214
11....	226	153	189	130	111	107	158	510	530	442	432	205
12....	238	161	184	124	112	108	153	500	510	452	490	178
13....	230	169	173	133	111	110	163	510	500	419	419	175
14....	212	159	178	150	115	116	169	485	495	394	358	175
15....	233	163	180	153	114	117	171	446	490	369	337	173
16....	307	163	159	140	112	97	178	406	460	390	381	189
17....	326	130	163	125	103	103	175	337	442	402	455	189
18....	297	146	157	135	108	107	182	355	437	365	490	189
19....	269	159	144	158	110	94	182	381	428	281	495	189
20....	242	159	141	172	115	94	191	300	414	320	490	182
21....	264	131	146	172	108	104	250	337	419	351	446	169
22....	237	112	143	178	115	107	437	385	419	490	432	187
23....	235	161	146	182	110	106	398	450	419	610	424	178
24....	230	219	157	178	115	100	365	460	419	355	373	163
25....	287	184	153	*176	111	102	385	450	432	344	358	157
26....	233	133	150	158	107	116	362	450	470	323	351	155
27....	233	189	126	170	102	119	385	455	505	337	362	153
28....	226	224	114	176	110	106	398	485	566	358	351	155
29....	219	194	167	164	....	130	402	525	560	333	340	157
30....	208	224	153	152	....	134	419	713	732	355	340	167
31....	196	....	169	140	....	133	....	695	....	347	330	....
Total	7219	5278	4907	4626	3152	3448	6951	14621	15073	12934	13747	5968
Mean.	233	176	158	149	113	111	232	472	502	417	443	199
Max.	326	224	196	182	124	136	437	713	732	707	695	297
Min.	196	122	104	116	102	75	119	300	414	281	330	153
Ac.-ft.	14320	10470	9730	9180	6250	6840	13790	29000	29900	25650	27270	11840

Total run-off for water year=194,200 acre-feet.

*Winter discharge measurement made on this day.

Discharge of South Platte River at South Platte, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	178	171	82	98	104	62	94	381	1540	689	272	390
2....	163	150	89	98	70	66	86	414	1460	654	264	402
3....	157	163	79	99	64	70	90	347	1350	683	340	275
4....	153	191	79	96	63	64	111	326	1300	738	337	210
5....	148	196	82	93	62	66	134	344	1230	822	406	198
6....	144	196	87	92	64	47	159	414	1230	842	414	184
7....	146	159	80	96	72	51	167	572	1360	719	410	173
8....	159	125	82	92	76	54	167	588	1210	621	402	159
9....	157	151	76	89	74	59	217	621	1240	572	369	148
10....	148	150	75	91	60	66	208	665	1340	560	351	144
11....	146	167	71	96	50	62	159	621	1180	566	358	151
12....	203	163	68	94	43	67	247	713	1080	545	355	155
13....	205	159	65	93	43	72	275	770	1050	525	344	157
14....	205	155	67	94	44	77	261	869	1030	475	480	123
15....	203	114	72	*98	47	60	230	842	970	455	475	107
16....	221	94	66	102	50	67	228	1060	955	515	455	104
17....	226	94	*62	100	54	73	212	1310	911	432	465	103
18....	226	103	63	100	53	78	182	1200	842	406	480	103
19....	228	99	67	102	51	60	210	1110	842	410	333	104
20....	221	94	70	103	50	70	187	1100	842	485	294	111
21....	212	92	73	105	*56	64	180	1110	790	577	297	120
22....	219	93	82	106	60	56	182	1130	744	500	281	125
23....	228	92	89	108	61	66	171	1200	671	450	278	133
24....	224	89	90	110	62	66	182	1210	665	480	310	148
25....	217	94	90	109	64	58	212	1110	665	480	303	175
26....	214	82	89	108	66	53	235	1060	701	432	278	182
27....	214	75	86	105	59	47	300	1060	744	402	258	210
28....	212	75	82	107	61	42	394	1140	707	381	373	212
29....	178	82	82	104	62	*37	398	1280	725	355	419	189
30....	157	79	88	102	....	58	358	1420	732	330	432	178
31....	161	....	97	103	....	80	....	1580	....	297	406	....
Total	5873	3747	2430	3093	1745	1918	6236	27567	30106	16398	11239	5173
Mean.	189	125	78.4	99.8	60.2	61.9	208	889	1,004	529	363	172
Max.	228	196	97	110	104	80	398	1,580	1,540	842	480	402
Min.	144	75	62	89	43	37	86	326	665	297	258	103
Ac.-ft.	11650	7430	4820	6130	3460	3800	12370	54680	59710	32520	22290	10260

Total run-off for water year=229,100 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Platte River at Waterton, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	122	98	2.9	71	39	34	98	256	354	240	294	185
2....	125	72	2.0	67	36	27	87	277	340	335	317	154
3....	122	71	0.2	60	53	24	117	273	340	317	330	126
4....	117	60	1.6	40	46	36	144	290	308	164	330	117
5....	110	30	1.0	34	55	33	148	299	252	92	393	114
6....	115	14	12	32	38	36	154	286	228	151	349	105
7....	117	26	62	33	47	92	181	326	244	240	369	87
8....	100	30	62	34	49	111	132	256	236	203	383	73
9....	98	39	56	35	67	95	114	196	240	95	398	49
10....	98	28	46	36	53	75	78	215	248	69	308	34
11....	117	9.0	55	35	53	56	71	126	240	103	364	40
12....	122	9.8	64	32	71	34	64	87	236	98	388	40
13....	182	17	60	26	60	33	71	105	223	95	326	30
14....	179	8.2	62	42	64	34	82	98	219	126	265	33
15....	147	11	64	46	64	39	80	87	203	308	240	34
16....	150	12	58	47	69	19	64	80	185	282	265	34
17....	166	2.3	69	53	71	5.0	56	26	170	282	335	34
18....	199	3.2	64	46	62	26	58	103	174	273	378	34
19....	206	1.4	55	56	51	13	67	211	174	185	393	36
20....	176	1.2	64	87	30	27	73	160	203	196	383	39
21....	176	1.0	58	85	20	55	75	148	240	232	349	39
22....	166	0.2	60	67	21	71	34	154	228	322	330	38
23....	130	9.8	60	64	26	55	19	203	232	424	322	36
24....	130	7.4	67	53	14	36	12	211	215	286	282	33
25....	133	2.9	71	49	14	24	17	219	200	252	256	17
26....	139	3.8	62	42	19	47	51	219	277	256	244	12
27....	133	5.0	58	34	12	49	67	223	290	282	244	12
28....	133	3.2	62	39	32	34	69	244	269	290	223	11
29....	133	1.0	87	34	....	35	219	261	160	273	211	21
30....	122	2.6	69	34	....	67	219	383	228	290	207	38
31....	112	....	73	34	....	105	....	403	....	299	200	....
Total	4275	580.0	1587.7	1447	1236	1427.0	2721	6425	7156	7060	9676	1655
Mean.	138	19.3	51.2	46.7	44.1	46.0	90.7	207	239	228	312	55.2
Max..	206	98	87	87	71	111	219	403	354	424	398	185
Min..	98	0.2	0.2	26	12	5.0	12	26	160	69	200	11
Acre-ft.	8480	1150	3150	2870	2450	2830	5400	12740	14190	14000	19190	3280

Total run-off for water year=89,700 acre-feet.

Discharge of South Platte River at Waterton, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	42	11	54	7.4	24	7.4	14	262	894	321	182	123
2....	40	9.4	58	18	20	8.0	7.4	270	870	392	178	67
3....	30	6.2	48	14	14	8.7	12	218	782	492	238	58
4....	14	17	38	14	8.7	10	12	186	729	372	174	46
5....	15	19	42	14	11	9.4	42	202	687	454	218	38
6....	14	19	64	18	11	9.4	58	316	736	443	234	25
7....	70	17	48	15	8.7	8.7	60	432	955	358	226	19
8....	67	5.0	52	13	8.7	7.4	58	475	838	266	210	14
9....	60	8.0	52	32	5.6	9.4	92	492	838	303	186	12
10....	60	11	74	18	9.4	20	130	532	894	417	162	11
11....	56	8.7	74	14	18	37	81	492	701	270	170	16
12....	28	14	60	20	19	34	162	544	617	198	162	32
13....	11	24	56	28	17	44	214	603	577	174	158	78
14....	16	22	50	22	20	34	226	687	564	190	116	37
15....	19	21	46	22	22	21	198	638	544	348	106	20
16....	17	12	40	8.7	28	20	182	722	527	325	112	15
17....	11	9.4	30	4.4	37	38	186	991	503	174	112	15
18....	8.7	8.7	21	6.2	38	44	162	910	464	154	106	15
19....	4.4	15	34	2.0	26	20	186	798	454	234	130	21
20....	8.7	9.4	30	2.0	21	36	202	774	443	266	130	36
21....	12	5.0	30	6.8	14	40	214	736	417	246	130	44
22....	12	5.6	40	10	14	37	218	666	392	186	123	37
23....	18	8.0	32	11	13	24	218	680	339	142	120	34
24....	14	8.0	23	8.7	11	46	92	652	321	162	150	36
25....	7.4	8.7	17	8.0	10	40	44	486	321	166	158	34
26....	6.8	9.4	21	8.0	14	34	78	372	363	130	158	17
27....	6.2	5.0	25	4.4	19	23	150	412	392	162	166	54
28....	5.0	9.4	15	12	13	15	250	475	392	258	74	64
29....	12	22	24	19	11	14	294	590	412	242	67	52
30....	5.6	58	7.4	17	....	19	262	722	368	226	102	40
31....	3.2	....	8.0	15	....	15	....	838	....	202	130	....
Total	694.0	405.9	1219.4	412.6	486.1	733.4	4104.4	17173	17354	8273	4688	1110
Mean.	22.4	13.5	39.3	13.3	16.8	23.7	137	554	578	267	151	37.0
Max..	70	58	74	32	38	46	294	991	955	492	238	123
Min..	3.2	5.0	7.4	2.0	5.6	7.4	7.4	186	321	130	67	11
Acre-ft.	1380	805	2420	818	964	1450	8140	34060	34420	16410	9300	2200

Total run-off for water year=112,400 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Platte River at Littleton, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	83	166	67	139	116	66	73	272	392	176	205	137
2....	82	166	67	137	130	50	72	278	360	392	39	139
3....	86	154	76	130	130	40	65	290	442	287	224	126
4....	94	181	77	118	101	56	70	284	459	257	224	98
5....	96	110	67	112	114	90	69	273	360	254	281	98
6....	105	80	75	108	128	92	70	332	260	199	319	90
7....	97	92	77	116	120	98	75	150	224	194	319	68
8....	96	88	75	118	126	115	134	242	213	174	296	68
9....	88	90	96	134	122	140	194	357	227	145	303	61
10....	88	96	103	134	100	120	152	303	230	194	290	57
11....	90	90	101	128	105	100	171	189	239	116	316	54
12....	96	76	92	128	122	83	150	176	230	85	344	50
13....	116	110	75	122	139	86	137	181	205	92	335	42
14....	238	124	69	130	120	88	139	166	205	77	335	43
15....	299	70	75	126	118	90	139	164	192	213	322	40
16....	367	77	115	115	124	70	137	171	176	230	236	38
17....	374	62	115	100	112	58	130	145	137	202	293	31
18....	337	56	105	115	126	50	140	159	154	278	341	25
19....	232	55	110	110	108	52	139	219	139	220	354	28
20....	288	55	115	120	105	54	140	208	159	280	344	28
21....	290	52	124	200	80	60	139	205	145	250	312	27
22....	279	52	164	160	60	65	135	210	145	310	316	26
23....	271	60	162	155	62	65	125	293	141	364	278	26
24....	262	86	174	150	66	53	110	396	112	269	281	27
25....	249	76	134	130	63	53	95	309	116	216	251	26
26....	233	84	124	124	61	53	84	303	145	213	245	26
27....	210	83	105	124	61	53	76	284	148	194	194	24
28....	197	94	106	126	63	53	80	303	269	189	164	23
29....	199	74	108	126	....	60	152	367	254	194	152	20
30....	181	92	122	130	....	88	231	520	263	189	143	19
31....	162	....	122	118	....	96	....	486	....	219	132	....
Total	5935	2751	3197	3983	2882	2297	3623	8240	6741	6672	8388	1565
Mean.	191	91.7	103	128	103	74.1	121	266	225	215	271	52.2
Max..	374	181	174	200	139	140	231	520	459	392	354	139
Min..	82	52	67	100	60	40	65	145	112	77	132	19
Ac.-ft.	11770	5460	6340	7900	5720	4560	7190	16340	13370	13230	16640	3100

Total run-off for water year=111,600 acre-feet.

Discharge of South Platte River at Littleton, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	22	35	88	52	45	34	70	600	1120	284	149	156
2....	23	28	92	48	40	34	63	705	1080	301	133	120
3....	27	16	110	37	37	57	74	552	916	490	133	76
4....	27	17	130	35	31	51	72	498	853	407	127	59
5....	48	19	72	45	90	51	94	430	846	452	194	46
6....	48	22	74	46	70	34	112	576	825	430	210	49
7....	41	23	74	40	66	37	128	876	1030	330	180	38
8....	34	30	70	34	56	39	119	964	916	250	186	42
9....	46	19	66	56	56	24	146	1040	867	407	140	27
10....	70	30	66	46	41	49	308	1140	951	425	102	33
11....	74	42	68	*38	43	44	191	1040	784	275	106	38
12....	68	38	72	43	46	66	304	1170	700	250	114	40
13....	66	34	80	52	51	68	465	1350	646	223	110	62
14....	38	44	46	45	70	100	436	1610	586	166	84	50
15....	38	49	54	42	58	86	363	1480	586	398	73	33
16....	38	52	51	38	68	86	260	1590	550	326	73	28
17....	25	42	46	35	46	72	322	1750	510	220	70	28
18....	9.6	41	51	39	63	108	306	1530	455	122	81	28
19....	11	46	54	45	51	76	342	1290	415	250	106	22
20....	9.0	41	56	56	44	88	314	1130	396	376	122	25
21....	11	41	63	44	61	80	346	1080	464	314	122	32
22....	10	39	78	72	65	125	359	1040	323	226	98	31
23....	13	41	80	24	56	86	314	1030	259	183	108	31
24....	13	32	65	32	46	104	314	979	225	213	149	32
25....	13	54	54	52	32	121	197	778	212	220	140	35
26....	13	74	59	72	35	100	268	766	239	156	106	32
27....	17	56	94	63	35	84	351	748	308	156	191	44
28....	13	56	49	45	30	108	504	895	347	240	131	64
29....	11	63	59	32	27	63	684	930	391	226	84	54
30....	10	84	56	31	....	88	576	979	331	200	102	42
31....	14	....	46	30	....	84	....	1070	....	169	114	....
Total	900.6	1208	2123	1369	1459	2247	8402	31616	18131	8685	3838	1397
Mean.	29.1	40.3	68.5	44.2	50.3	72.5	280	1020	604	280	124	46.6
Max..	70	84	130	72	90	125	684	1750	1120	490	210	156
Min..	9	16	46	24	27	24	63	430	212	122	70	22
Acre-ft.	1790	2400	4210	2720	2890	4460	16670	62710	35960	17230	7610	2770

Total run-off for water year=161,400 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Platte River at Denver, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	110	285	142	208	173	110	120	364	706	406	220	244
2....	154	285	134	185	185	69	120	420	634	598	245	204
3....	154	240	135	194	177	51	114	357	607	679	270	186
4....	163	210	131	173	134	96	117	364	516	548	300	166
5....	171	180	128	157	120	145	128	371	460	230	406	178
6....	180	140	128	185	138	145	120	392	371	212	392	170
7....	184	130	135	169	161	138	138	492	364	413	413	162
8....	184	135	155	169	185	157	263	556	344	385	399	135
9....	175	140	165	185	173	258	337	452	444	428	420	123
10....	154	145	181	212	128	216	285	428	492	198	318	116
11....	171	142	181	208	131	190	292	241	492	157	318	90
12....	192	120	198	198	142	161	241	153	428	138	364	106
13....	282	135	216	212	177	150	216	173	413	128	364	90
14....	396	150	212	236	181	145	203	157	399	114	258	71
15....	666	108	212	236	190	136	216	198	444	203	203	65
16....	900	105	203	212	173	125	212	153	357	371	230	68
17....	840	100	203	149	181	113	181	169	285	304	344	74
18....	652	96	208	173	181	105	212	236	246	344	413	71
19....	564	94	208	169	185	100	208	371	226	263	436	102
20....	476	98	177	177	169	92	203	311	194	436	444	116
21....	452	100	177	274	142	93	190	280	198	280	413	80
22....	428	100	173	378	131	108	212	406	203	399	399	68
23....	484	140	181	364	124	120	190	476	173	652	357	68
24....	444	170	194	268	120	96	145	580	153	460	318	71
25....	385	160	221	212	124	78	120	580	131	263	280	56
26....	350	180	226	181	114	75	100	468	145	236	266	50
27....	330	180	185	181	110	75	82	399	304	216	293	59
28....	318	200	190	181	106	75	96	399	460	208	288	45
29....	304	180	252	185	....	60	131	580	364	212	271	90
30....	274	212	190	....	....	63	364	840	298	203	282	86
31....	285	....	216	194	....	103	....	860	....	194	266	....
Total	10822	4660	5679	6415	4255	3648	5556	12226	10851	9878	10190	3210
Mean.	349	155	183	207	152	118	185	394	362	319	329	107
Max.	900	285	252	378	190	258	364	860	706	679	444	244
Min.	110	94	128	149	106	51	82	153	131	114	203	45
Ac.-ft.	21470	9240	11260	12720	8440	7240	11020	24250	21520	19590	20210	6370

Total run-off for water year=173,300 acre-feet.

Discharge of South Platte River at Denver, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	106	120	170	86	93	69	169	1010	1510	305	266	299
2....	102	109	178	86	112	72	165	1260	1410	328	224	254
3....	96	93	166	90	109	86	149	1060	1240	524	233	178
4....	83	96	146	93	112	89	142	947	1160	479	254	139
5....	61	120	150	61	174	89	142	857	1100	458	244	112
6....	73	120	162	75	195	82	145	983	1070	493	375	109
7....	73	120	158	46	190	63	145	1260	1290	410	347	106
8....	63	99	150	49	174	42	149	1460	1430	305	293	99
9....	70	78	162	78	123	51	157	1620	1320	300	266	96
10....	73	78	162	68	75	51	330	1830	1410	652	219	93
11....	70	83	162	68	49	60	369	1780	1270	540	200	90
12....	142	86	150	54	61	75	416	1800	1120	796	195	86
13....	112	93	150	61	70	78	726	1940	983	604	190	102
14....	90	83	158	75	63	89	644	2140	947	423	174	139
15....	90	86	123	78	68	100	444	2170	920	652	135	99
16....	109	99	109	83	58	103	345	2080	813	493	131	93
17....	109	99	99	73	75	100	458	2280	788	356	131	93
18....	75	96	93	80	73	131	416	2060	702	246	131	92
19....	63	90	99	78	73	161	516	1680	636	300	131	92
20....	75	99	120	86	73	142	516	1510	612	604	170	75
21....	86	90	127	90	86	100	532	1430	556	508	166	96
22....	83	83	127	86	92	120	362	1280	458	508	162	110
23....	90	86	131	93	100	413	345	1220	389	389	150	108
24....	96	78	112	112	92	236	322	1160	280	396	178	105
25....	93	100	112	139	92	181	430	992	290	396	260	108
26....	83	125	96	116	92	173	620	983	280	311	350	112
27....	78	96	96	93	86	134	644	1050	430	276	517	105
28....	75	96	86	66	78	114	1000	1210	380	432	323	112
29....	78	96	93	73	72	128	1130	1330	370	389	249	86
30....	99	139	93	68	....	153	947	1380	320	375	260	73
31....	93	....	83	83	....	165	....	1650	....	311	260	....
Total	2682	2946	4023	2487	2810	3650	12885	45412	25484	13559	7184	3461
Mean.	86.5	98.2	130	80.2	96.9	118	430	1465	849	437	232	115
Max.	142	139	178	139	195	413	1130	2280	1510	796	517	299
Min.	61	78	83	46	49	42	142	857	280	246	131	73
Acre-ft.	5320	5840	7980	4930	5570	7240	25560	90070	50550	26890	14250	6860

Total run-off for water year=251,100 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Platte River at Henderson, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	24	151	348	354	100	71	244	250	556	686	250	131
2....	40	143	342	354	97	103	250	328	452	491	270	115
3....	58	135	380	335	94	195	264	406	406	504	290	112
4....	71	119	380	302	91	238	264	413	283	478	309	103
5....	83	109	322	276	83	302	270	413	387	283	478	88
6....	97	103	316	283	79	257	283	406	628	244	439	83
7....	100	97	296	276	79	270	283	517	608	348	458	83
8....	100	94	316	290	91	348	432	732	576	354	413	77
9....	100	94	322	296	100	322	446	770	621	660	429	71
10....	97	97	328	316	81	224	413	446	725	465	413	67
11....	91	91	342	296	77	185	335	170	712	491	342	63
12....	85	91	348	139	83	160	309	218	602	510	361	61
13....	81	85	374	109	88	147	200	160	510	472	413	61
14....	290	81	348	103	88	143	160	155	426	426	361	57
15....	478	85	348	103	83	135	151	309	458	361	283	57
16....	706	85	368	97	77	119	147	380	484	420	224	55
17....	628	85	380	88	79	109	143	342	316	394	380	47
18....	428	75	354	65	77	103	143	400	316	354	517	43
19....	276	69	354	115	77	94	85	666	361	354	510	40
20....	185	81	316	131	77	88	49	458	354	281	510	55
21....	175	81	316	112	73	85	51	380	472	205	465	61
22....	195	77	302	119	71	85	55	380	588	595	394	47
23....	212	83	316	115	71	94	57	296	608	588	328	40
24....	257	88	335	212	71	112	57	348	608	582	290	42
25....	264	91	335	218	69	106	55	283	569	426	244	38
26....	250	100	342	195	69	135	40	195	562	380	200	35
27....	270	244	316	195	71	180	45	165	660	309	185	47
28....	212	302	276	151	69	205	52	270	832	264	180	67
29....	195	302	374	127	....	185	73	458	777	238	151	85
30....	170	335	361	109	....	224	175	738	738	218	143	81
31....	155	....	335	106	....	231	....	640	....	238	147	....
Total	6371	3673	10490	5987	2265	5255	5527	12092	16195	12569	10387	2012
Mean.	206	122	338	193	80.9	170	184	390	540	405	335	67.1
Max..	706	335	380	354	100	348	446	770	832	686	517	131
Min..	24	69	276	65	69	71	40	155	283	205	143	35
Ac.-ft.	12640	7290	20810	11880	4490	10420	10960	23980	32120	24930	20600	3990

Total run-off for water year=184,100 acre-feet.

Discharge of South Platte River at Henderson, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	63	79	83	151	61	69	94	1020	1640	569	322	155
2....	65	85	81	147	63	69	88	1280	1560	556	218	155
3....	67	77	79	151	69	112	81	1310	1240	699	200	123
4....	55	71	83	160	75	127	75	1120	1090	804	200	131
5....	55	91	81	147	81	100	71	1050	954	718	190	79
6....	65	88	85	155	88	81	106	970	846	666	250	79
7....	57	61	88	147	88	79	139	1070	954	536	218	79
8....	53	36	75	131	88	85	151	1440	1460	458	200	75
9....	53	38	65	85	79	88	185	1690	1280	380	180	100
10....	61	33	59	75	73	97	342	1870	1630	588	165	97
11....	63	27	65	73	69	160	283	2010	1520	660	155	91
12....	57	24	67	69	67	185	309	1920	1220	874	151	106
13....	75	24	65	67	67	200	224	1980	923	517	139	81
14....	57	21	64	63	65	218	361	2220	853	335	123	81
15....	51	21	60	59	67	224	185	2320	874	420	109	73
16....	61	30	54	59	71	205	127	2440	751	556	103	65
17....	57	31	47	59	73	212	139	2570	718	406	79	73
18....	51	30	47	59	73	264	316	2320	686	283	79	79
19....	49	28	51	59	67	290	394	1890	556	165	73	81
20....	49	30	49	57	63	270	439	1640	550	614	85	88
21....	51	30	49	53	65	270	484	1390	543	764	88	81
22....	53	33	47	53	67	165	400	1140	517	660	91	75
23....	63	38	45	55	67	180	387	986	504	510	88	75
24....	65	40	43	55	67	143	328	867	465	380	88	79
25....	61	43	49	57	67	119	296	640	628	374	160	85
26....	57	51	47	57	73	109	628	517	634	387	151	85
27....	61	59	47	55	69	94	634	588	543	257	472	81
28....	59	67	59	51	69	88	790	673	543	283	316	81
29....	53	71	119	53	69	77	1060	846	614	342	238	81
30....	59	77	151	53	....	71	1050	1170	588	342	195	81
31....	65	....	147	57	....	91	....	1530	....	309	170	....
Total	1811	1434	2151	2572	2060	4542	10166	44477	26884	15412	5296	2695
Mean.	58.4	47.8	69.4	83.0	71.0	147	339	1435	896	497	171	89.8
Max..	75	91	151	160	88	290	1060	2570	1640	874	472	155
Min..	49	21	43	51	61	69	71	517	465	165	73	65
Ac.-ft.	3590	2840	4270	5100	4090	9010	20160	88220	53320	30570	10500	5350

Total run-off for water year=237,000 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Platte River at Fort Lupton, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	83	203	421	411	159	125	261	170	555	769	201	118
2....	86	219	396	416	154	100	261	197	421	588	207	112
3....	112	235	401	400	150	154	246	293	372	484	238	106
4....	122	225	381	368	145	297	250	301	301	484	265	106
5....	124	209	326	341	145	364	246	314	257	364	372	91
6....	149	203	281	328	140	360	224	318	560	242	377	81
7....	159	197	261	341	138	350	220	390	577	310	395	75
8....	166	197	269	354	154	382	318	632	538	310	364	70
9....	166	194	303	364	162	346	359	902	572	572	354	65
10....	164	200	406	382	150	289	377	382	692	474	386	61
11....	152	197	416	382	140	238	368	220	709	411	314	59
12....	109	194	391	246	150	201	341	170	621	452	310	55
13....	107	191	421	188	159	154	231	191	555	447	332	54
14....	188	191	411	182	162	147	188	164	426	411	341	51
15....	528	194	416	179	157	159	185	220	416	359	265	47
16....	848	191	431	164	152	159	167	364	522	341	197	43
17....	780	179	411	147	147	150	147	314	336	350	269	35
18....	511	172	405	122	147	145	136	368	301	293	463	33
19....	344	169	405	122	145	138	102	709	354	305	437	32
20....	242	174	382	182	142	136	73	511	364	227	421	32
21....	200	174	354	204	138	136	56	372	382	188	411	36
22....	215	169	364	188	133	133	52	386	560	506	359	34
23....	228	174	377	167	133	140	53	341	555	468	328	30
24....	269	188	395	235	133	145	53	314	538	533	257	29
25....	273	185	382	277	131	147	56	297	500	405	231	29
26....	273	169	377	254	129	157	62	224	533	359	185	28
27....	290	281	368	242	127	204	47	164	582	265	162	27
28....	257	367	314	207	125	224	45	176	769	238	152	29
29....	228	386	372	179	....	210	57	346	870	204	138	46
30....	209	386	416	164	....	235	102	692	790	182	120	60
31....	203	....	386	162	....	250	....	643	182	182	131	....
Total	7755	6413	11639	7898	4047	6375	5273	11085	15528	11723	8982	1674
Mean.	251	214	375	255	145	206	176	358	518	378	290	55.8
Max.	848	386	431	416	162	382	377	902	870	769	463	118
Min.	83	169	261	122	125	100	45	164	257	182	120	27
Ac.-ft.	15440	12720	23090	15670	8030	12640	10460	21990	30800	23250	17820	3320

Total run-off for water year=195,200 acre-feet.

Discharge of South Platte River at Fort Lupton, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	48	83	148	223	105	102	180	1020	1650	560	181	107
2....	43	107	148	216	107	103	165	1260	1620	476	157	105
3....	51	109	148	220	111	130	146	1540	1380	488	142	101
4....	42	105	158	230	117	160	134	1220	1200	692	127	92
5....	33	111	165	216	121	175	128	1040	1070	632	125	77
6....	38	115	168	212	126	140	148	932	916	566	134	76
7....	40	111	180	220	134	119	202	988	932	500	147	69
8....	40	83	180	195	134	121	212	1340	1500	360	144	61
9....	39	78	155	163	132	131	226	1600	1420	301	137	67
10....	44	76	146	137	111	140	366	1800	1600	395	127	74
11....	56	70	139	126	103	250	386	1940	1730	650	120	76
12....	62	68	134	117	101	270	357	1880	1440	796	114	72
13....	76	64	126	111	99	285	348	1920	1040	530	109	70
14....	75	61	126	109	99	295	532	2110	884	370	103	67
15....	65	58	121	113	99	308	357	2220	892	370	100	67
16....	64	57	115	111	99	308	241	2310	788	476	94	64
17....	71	58	109	111	99	296	220	2390	656	360	86	59
18....	64	60	107	111	97	326	348	2390	717	261	92	59
19....	64	60	111	111	101	371	442	1950	542	194	67	64
20....	71	58	111	113	101	376	510	1740	506	400	64	58
21....	65	58	111	115	101	395	489	1470	524	692	66	50
22....	64	60	113	115	100	305	416	1210	506	542	66	49
23....	68	61	111	117	101	284	390	964	470	422	66	50
24....	70	64	107	119	101	288	318	828	500	325	66	50
25....	68	71	105	121	100	248	318	590	566	278	66	53
26....	68	85	101	121	102	230	655	440	614	296	66	56
27....	67	95	97	113	104	206	601	512	626	249	175	59
28....	70	103	97	105	102	177	694	608	590	194	198	56
29....	71	130	160	103	102	163	1060	828	620	206	150	56
30....	71	137	216	99	....	148	1090	1060	656	209	130	59
31....	75	....	226	99	....	171	....	1470	....	202	114	....
Total	1843	2456	4239	4392	3109	7013	11679	43570	28155	12992	3533	2023
Mean.	59.5	81.9	137	142	107	226	389	1405	938	419	114	67.4
Max.	76	137	226	230	134	395	1090	2390	1730	796	198	107
Min.	33	57	97	99	97	102	128	440	470	194	64	49
Acre-ft.	3660	4870	8410	8710	6170	13910	23160	86420	55840	25770	7010	4010

Total run-off for water year=247,900 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Platte River Near Kersey, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	275	779	844	838	628	497	450	557	2970	980	172	201
2....	261	779	850	863	611	450	441	578	2750	908	172	198
3....	261	773	844	838	605	412	431	633	2820	680	172	183
4....	268	760	850	820	594	476	417	466	2830	546	169	169
5....	268	742	838	790	573	578	402	304	2220	466	169	166
6....	289	730	820	784	584	611	389	233	1920	380	166	166
7....	304	730	784	796	584	622	384	205	1670	341	166	172
8....	312	736	778	796	578	657	441	216	1390	240	163	172
9....	320	736	778	814	567	732	497	662	1110	236	142	172
10....	332	736	808	838	573	802	578	940	749	233	145	172
11....	332	742	832	826	562	773	662	790	744	220	155	172
12....	340	748	850	802	578	703	703	686	960	210	172	172
13....	357	749	844	749	578	668	674	726	1050	169	169	172
14....	442	767	850	720	578	639	645	732	1030	155	169	195
15....	583	778	850	720	562	616	589	744	908	142	169	201
16....	848	773	844	690	535	589	562	869	826	124	169	204
17....	1280	773	844	600	535	584	551	1140	856	120	174	204
18....	1420	767	838	497	530	589	540	1380	790	116	177	201
19....	1120	761	832	508	524	573	508	1860	850	114	174	183
20....	927	749	826	567	519	584	445	2520	901	114	158	180
21....	760	761	808	616	513	584	524	2740	914	116	152	180
22....	724	755	790	773	508	557	578	2750	960	120	150	180
23....	700	732	784	767	503	530	578	2740	927	133	150	183
24....	682	744	790	686	513	551	573	2620	726	155	152	186
25....	706	767	808	674	519	535	589	2720	589	160	155	180
26....	724	761	802	668	513	535	622	2600	524	166	158	180
27....	760	738	796	680	508	519	691	2290	639	166	158	183
28....	785	778	773	691	503	503	645	1980	697	166	174	177
29....	773	820	755	668	....	476	551	1820	802	169	186	183
30....	798	844	790	668	....	466	460	2160	869	166	192	186
31....	798	....	820	645	....	455	....	2880	....	166	201	....
Total	18749	22808	25320	22392	15478	17866	16120	43541	36991	8177	5150	5473
Mean.	605	760	817	722	553	576	537	1405	1233	264	166	182
Max.	1420	844	850	863	628	802	703	2880	2970	980	201	204
Min.	261	730	755	497	503	412	384	205	524	114	142	166
Ac.-ft.	37190	45240	50220	44410	30700	35440	31970	86360	73370	16220	10210	10860

Total run-off for water year=472,200 acre-feet.

Discharge of South Platte River Near Kersey, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	189	236	383	422	435	425	440	1760	1170	200	164	167
2....	189	233	387	431	445	425	460	2040	1210	186	154	156
3....	189	233	379	445	455	435	455	2930	1160	192	134	144
4....	189	250	362	468	465	445	435	2890	1020	278	127	144
5....	189	250	353	470	475	460	411	2490	954	638	127	154
6....	201	246	357	470	485	455	393	2410	829	531	124	164
7....	220	282	392	475	495	420	375	2490	724	405	116	167
8....	226	345	405	485	500	416	388	2980	798	328	114	172
9....	233	337	405	495	500	416	411	3440	1190	275	146	180
10....	233	333	383	510	475	420	485	3700	1180	250	144	186
11....	240	329	374	500	460	420	699	4090	1680	496	144	197
12....	246	313	374	480	425	440	783	4200	1820	671	141	206
13....	254	299	370	475	435	465	944	4180	1520	730	116	206
14....	271	302	366	465	425	475	1130	4340	1160	638	110	206
15....	285	306	362	460	420	485	1290	4370	933	547	122	200
16....	302	299	357	460	420	490	1010	4310	798	594	149	194
17....	302	296	349	455	420	500	916	4590	677	638	146	170
18....	302	288	345	455	430	510	888	4790	666	476	151	192
19....	306	282	345	455	430	525	1020	4260	660	289	154	180
20....	317	282	353	460	435	555	1150	3240	536	230	154	175
21....	317	278	353	465	440	575	1090	2540	433	506	154	164
22....	321	274	353	455	435	575	1040	2110	378	760	151	159
23....	321	271	349	455	440	565	972	1820	304	643	144	149
24....	310	268	337	465	440	595	895	1520	264	557	111	144
25....	299	268	337	470	445	600	834	1240	244	438	144	129
26....	292	278	333	470	445	560	1030	975	215	348	149	124
27....	285	329	325	475	445	510	1180	861	194	286	151	120
28....	274	349	317	465	440	455	1200	961	180	247	167	118
29....	243	374	317	450	430	435	1300	982	172	218	172	120
30....	230	379	341	440	....	420	1620	982	169	197	180	124
31....	233	....	387	445	....	416	....	1060	....	180	172	....
Total	8008	8809	11150	14391	12990	14888	25244	84551	23238	12972	4462	4911
Mean.	258	294	360	464	448	480	841	2727	775	418	144	164
Max.	321	379	405	510	500	600	1620	4790	1820	760	180	206
Min.	189	233	317	422	420	416	375	861	169	180	110	118
Ac.-ft.	15880	17470	22120	28540	25770	29530	50070	167700	46090	25730	8850	9740

Total run-off for period=447,500 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Platte River at Sublette, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....
2....
3....
4....
5....
6....
7....
8....
9....
10....
11....
12....
13....
14....	Sept.15 to 30
15....	220
16....	226
17....	220
18....	206
19....	194
20....	208
21....	217
22....	211
23....	211
24....	217
25....	211
26....	214
27....	217
28....	217
29....	214
30....	220
Total	3423
Mean.	214
Max....	226
Min....	194
Acres-ft.	6790

Discharge of South Platte River at Sublette, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	230	136	79	90	75	64	322	1800	930	227	210	200
2....	239	112	79	89	73	64	362	1940	1100	234	205	187
3....	248	90	78	88	72	68	362	2530	1120	262	200	173
4....	251	88	78	88	72	100	406	3200	1040	274	200	170
5....	254	88	78	86	72	101	342	2980	881	473	200	182
6....	257	86	76	84	69	104	284	2710	734	707	204	180
7....	266	140	75	84	69	104	251	2440	590	603	204	184
8....	278	192	73	92	69	104	248	2380	762	480	191	194
9....	346	236	73	96	68	104	269	2790	1300	413	168	204
10....	358	142	73	152	68	104	386	3210	1470	348	181	212
11....	366	104	73	144	68	108	434	3260	1280	403	181	220
12....	378	96	74	144	68	110	394	3440	1490	648	178	225
13....	382	102	73	126	68	110	410	3310	1070	818	181	228
14....	402	101	72	112	68	108	545	3430	564	881	168	230
15....	414	95	72	108	68	108	682	3520	306	727	162	220
16....	430	90	73	104	68	110	694	3570	378	720	162	184
17....	455	82	73	86	67	114	622	3670	418	790	158	190
18....	446	82	73	79	67	124	556	4010	383	674	158	199
19....	446	80	73	80	66	112	556	4080	518	486	158	210
20....	398	80	74	79	66	114	724	3380	466	315	158	207
21....	287	82	89	79	66	126	853	2450	363	306	158	210
22....	221	82	89	79	66	160	993	1700	408	378	158	214
23....	203	82	88	78	65	165	1100	1310	358	425	158	217
24....	198	80	88	76	64	410	1000	1070	315	360	155	220
25....	192	80	88	75	65	562	937	790	265	288	178	220
26....	185	82	90	75	67	480	930	640	262	278	187	207
27....	175	80	92	75	67	402	1130	778	258	270	187	200
28....	165	80	92	75	65	338	1220	853	254	260	192	197
29....	158	80	90	76	64	298	1280	951	234	248	198	211
30....	142	79	90	76	....	318	1450	881	227	233	208	248
31....	138	....	90	75	....	302	....	766	....	225	210	....
Total	8908	3029	2478	2850	1970	5599	19742	73839	19744	13754	5616	6146
Mean.	287	101	79.9	91.9	67.9	181	658	2382	658	444	181	205
Max....	455	236	92	152	75	562	1450	4080	1490	881	210	248
Min....	138	79	72	75	64	64	248	640	227	225	155	170
Ac-ft.	17670	6010	4920	5650	3910	11110	39160	146500	39160	27280	11140	12190

Total run-off for period=324,700 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Platte River at Fort Morgan, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	66	130	155	244	210	224	510	1600	578	167	188	196
2....	72	170	152	244	210	260	520	1790	691	130	176	170
3....	74	230	155	236	206	268	525	2010	754	132	179	170
4....	76	260	161	236	199	268	551	2440	734	236	196	202
5....	76	260	164	240	199	276	568	2600	590	248	202	228
6....	80	250	161	240	196	268	510	2430	535	132	199	232
7....	82	250	164	244	210	272	460	2280	358	152	202	232
8....	86	260	164	252	213	268	415	2210	336	216	199	224
9....	90	260	167	248	210	272	430	2380	475	244	176	232
10....	100	250	176	272	206	276	505	2720	884	264	108	272
11....	115	250	176	280	220	268	625	2840	832	248	67	272
12....	140	240	176	280	224	280	637	2840	890	240	92	280
13....	170	240	185	276	232	280	573	2850	884	264	92	268
14....	200	220	185	268	236	284	637	2800	595	309	84	228
15....	220	200	188	260	224	280	806	2840	368	202	102	213
16....	240	189	228	268	216	280	910	2780	228	376	150	210
17....	260	180	232	252	192	280	871	2690	236	224	170	173
18....	270	170	228	240	196	288	838	2780	276	176	170	90
19....	288	160	232	224	199	304	812	2860	284	170	196	84
20....	295	142	240	220	202	296	858	2630	296	322	192	82
21....	300	135	248	210	206	296	1020	2010	196	170	161	80
22....	270	112	268	216	210	309	1120	1350	145	80	102	80
23....	190	104	260	210	216	332	1250	945	164	179	98	80
24....	170	110	264	213	216	358	1200	703	82	167	114	78
25....	170	124	256	206	216	535	1110	500	100	167	116	72
26....	150	152	256	206	224	607	1050	340	114	114	122	68
27....	140	142	256	213	210	584	1170	435	176	80	116	68
28....	130	152	260	202	213	540	1320	691	188	67	148	66
29....	115	155	244	216	202	495	1280	748	179	78	244	64
30....	110	155	248	216	....	495	1390	734	167	94	276	62
31....	110	....	244	216	....	510	....	643	....	128	232	....
Total	4855	5652	6493	7348	6113	10553	24471	59469	12835	5776	4869	4776
Mean..	157	188	209	237	211	340	816	1918	411	186	157	159
Max..	300	260	268	280	236	607	1390	2860	890	376	276	280
Min..	66	104	152	202	192	224	415	340	82	67	67	62
Acre-ft.	9630	11210	12880	14570	12120	20930	48540	118000	24470	11460	9660	9470

Total run-off for period=302,900 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Platte River at Balzac, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	278	20	190	760	452	187	178	24	1140	293	92	234
2....	250	16	250	780	483	227	151	47	1900	357	90	223
3....	206	16	345	880	401	349	130	56	2120	409	94	206
4....	142	17	395	1040	234	518	111	57	1970	365	128	216
5....	154	16	430	1040	223	530	92	108	2420	286	142	230
6....	126	21	420	925	213	531	76	125	2170	249	142	220
7....	146	23	461	775	193	533	67	108	1530	203	169	216
8....	170	24	577	770	178	535	68	123	1130	148	203	216
9....	146	33	547	760	102	539	77	193	800	120	206	206
10....	56	22	517	745	133	540	86	113	540	120	197	203
11....	45	24	494	745	116	596	74	133	381	104	157	200
12....	40	26	505	725	74	652	245	223	305	116	169	193
13....	47	22	510	596	46	652	457	190	750	120	154	172
14....	43	23	329	528	83	610	457	197	875	125	145	151
15....	43	21	190	487	64	573	448	230	785	108	139	145
16....	95	16	223	461	42	564	536	309	715	108	142	157
17....	219	15	381	451	35	559	573	256	629	130	145	163
18....	79	16	253	442	30	536	536	77	501	160	145	223
19....	210	17	98	449	25	501	413	74	271	181	169	245
20....	300	18	94	465	80	510	421	184	197	187	200	253
21....	138	22	245	495	181	483	264	329	197	175	200	249
22....	71	13	405	550	184	479	139	681	216	193	200	234
23....	43	16	496	591	190	483	102	1080	142	200	223	220
24....	40	59	532	532	193	474	94	1400	133	163	242	210
25....	38	52	457	443	190	461	86	1490	160	130	245	200
26....	27	42	435	365	190	457	58	1840	187	139	242	184
27....	15	43	443	333	190	435	29	2300	260	133	238	175
28....	17	45	605	297	181	426	28	2090	216	123	234	184
29....	16	24	676	353	....	353	27	1540	210	104	227	181
30....	17	50	695	474	....	301	24	1130	238	96	223	163
31....	21	....	710	461	....	271	....	975	....	94	238	....
Total	3238	772	12908	18718	4706	14865	6947	17682	23088	5439	5540	6072
Mean.	104	25.7	416	604	168	480	202	570	770	175	179	202
Max..	300	59	710	1040	483	652	573	2300	2420	409	245	253
Min..	15	13	94	297	25	187	24	24	133	94	90	145
Acre-ft.	6420	1530	25600	37130	9330	29480	11990	35070	45790	10790	10990	12040

Total run-off for period=236,200 acre-feet.

Discharge of South Platte River at Balzac, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	145	35	18	15	175	23	21	990	349	154	184	158
2....	133	30	17	13	112	22	20	1590	361	151	210	166
3....	123	25	17	12	135	22	19	1810	421	145	197	172
4....	113	18	18	13	135	23	20	2240	457	154	187	186
5....	113	15	17	13	86	22	20	2630	465	175	193	189
6....	116	14	16	13	67	20	19	2680	430	175	203	183
7....	118	13	16	12	101	23	18	2410	377	90	184	177
8....	118	12	16	15	105	23	19	2190	313	102	169	180
9....	120	13	15	12	107	22	19	2160	313	163	163	183
10....	125	16	15	22	94	19	19	2220	389	190	169	193
11....	142	16	16	18	150	21	28	2790	409	242	160	202
12....	160	16	15	13	205	19	28	2820	337	260	172	202
13....	169	16	13	11	175	17	27	2840	389	234	181	218
14....	178	16	15	12	142	18	25	2520	275	187	187	222
15....	213	16	17	12	130	19	29	2470	220	160	181	212
16....	238	16	16	13	130	18	46	2340	220	136	154	212
17....	282	18	16	13	96	18	67	2090	210	220	157	209
18....	321	18	17	14	69	20	200	2020	193	169	154	186
19....	349	18	16	15	47	19	190	2060	193	120	154	150
20....	369	18	14	14	38	18	197	1970	190	275	145	86
21....	357	18	16	14	35	18	264	1390	184	275	139	86
22....	373	18	17	14	35	19	305	865	154	86	166	92
23....	321	18	16	14	32	18	397	286	154	76	157	94
24....	172	18	13	13	29	18	501	220	160	72	161	94
25....	125	18	14	14	28	18	582	297	148	64	180	92
26....	104	18	13	16	29	18	955	267	136	61	186	90
27....	88	18	13	16	29	18	1010	249	130	57	186	86
28....	68	17	13	16	24	18	1110	373	145	83	189	88
29....	56	17	14	16	24	18	1190	409	151	136	177	92
30....	47	17	13	35	....	18	1220	417	148	104	163	96
31....	40	....	13	49	....	18	....	381	....	133	150	....
Total	5396	536	475	492	2564	605	8565	49994	8021	4659	5358	4596
Mean.	174	17.9	15.3	15.9	88.4	19.5	286	1613	267	150	173	153
Max..	373	35	18	49	205	23	1220	2840	465	275	210	222
Min..	40	12	13	11	24	17	18	220	130	57	139	86
Ac.-ft.	10700	1060	942	976	5090	1200	16990	99160	15910	9240	10630	9120

Total run-off for period=181,000 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Platte River at Julesburg, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	346	428	425	1020	1360	593	776	189	1470	106	15	22
2....	353	426	424	1030	1340	468	733	164	1150	93	15	22
3....	360	427	426	1040	1280	406	651	142	1060	116	17	22
4....	354	419	451	1040	1210	526	571	129	1340	136	16	22
5....	360	419	488	1100	1080	576	509	119	1640	96	18	22
6....	366	422	494	1190	950	545	469	102	1690	90	18	23
7....	390	414	568	1250	904	594	436	102	1800	80	18	22
8....	422	413	594	1220	884	674	360	104	1850	70	17	22
9....	421	417	646	1200	851	778	297	108	1510	97	17	23
10....	417	423	715	1190	1080	878	285	104	1300	88	18	23
11....	414	420	778	1180	1160	1330	284	94	952	76	17	23
12....	407	415	804	1190	874	1790	315	88	733	70	17	22
13....	424	411	833	1220	756	1610	339	88	610	58	18	22
14....	453	414	854	1210	702	1320	364	82	741	59	25	24
15....	440	420	890	1150	666	1220	472	89	951	56	32	27
16....	456	423	880	1040	652	1140	615	93	1040	58	33	28
17....	485	416	833	691	646	1100	674	118	996	56	30	29
18....	491	421	771	471	620	1070	708	198	910	53	28	24
19....	499	421	782	481	609	1060	743	292	822	50	26	22
20....	455	420	777	534	583	1020	736	355	723	42	24	21
21....	461	423	730	712	509	988	662	406	590	40	23	18
22....	479	416	692	960	509	981	559	433	499	37	23	18
23....	489	414	695	1330	551	964	518	511	393	33	21	24
24....	478	420	764	1510	588	941	437	679	321	28	22	19
25....	464	421	832	1510	612	927	371	957	241	25	22	22
26....	463	418	883	1260	625	916	329	1120	190	22	21	22
27....	454	420	848	1070	631	893	308	1360	146	20	21	22
28....	446	420	860	929	625	872	279	1630	132	17	20	25
29....	442	398	878	887	....	865	257	1890	125	16	20	27
30....	439	422	930	857	....	849	219	2030	115	16	20	28
31....	428	....	1010	1150	....	819	....	1810	....	15	22	....
Total	13356	12561	22555	32622	22857	28713	14276	15586	26050	1819	654	690
Mean.	431	419	728	1052	816	926	476	503	868	58.7	21.1	23.0
Max..	499	428	1010	1510	1360	1790	776	2030	1850	136	33	29
Min..	346	398	424	471	509	406	219	82	115	15	15	18
Ac.-ft.	26490	24910	44740	64700	45340	56950	28320	30910	51670	3610	1300	1370

Total run-off for period=380,300 acre-feet.

Discharge of South Platte River at Julesburg, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	29	115	116	295	232	331	376	1480	163	42	69	44
2....	30	113	112	294	266	334	386	1580	165	40	71	42
3....	32	109	110	298	320	333	395	1600	129	42	68	38
4....	31	108	112	289	391	330	391	1740	114	66	67	38
5....	33	106	112	319	402	332	378	1820	112	94	58	38
6....	33	106	113	358	384	319	364	1980	100	71	54	36
7....	34	106	114	270	376	307	353	2300	96	60	52	35
8....	40	102	114	151	375	304	352	2550	95	46	48	35
9....	48	102	119	152	385	296	338	2680	93	52	39	35
10....	50	102	150	170	307	283	337	2600	90	384	36	35
11....	50	100	172	207	244	277	357	2520	102	941	33	33
12....	55	102	173	214	285	228	351	2660	100	677	32	33
13....	67	101	187	209	329	213	323	2840	120	424	27	32
14....	77	100	190	224	384	243	252	2930	140	342	26	31
15....	81	102	206	243	440	265	203	3050	141	327	25	32
16....	83	102	214	262	345	296	182	2860	129	380	23	33
17....	78	104	248	287	362	295	214	2760	117	323	22	32
18....	74	104	244	292	385	295	283	2590	104	247	21	33
19....	75	100	266	305	410	288	311	2260	96	206	20	40
20....	88	98	304	335	394	290	350	2050	81	188	20	42
21....	116	96	320	364	426	304	417	1780	70	172	21	42
22....	116	94	304	350	412	304	484	1660	65	161	21	39
23....	139	94	284	339	429	319	571	1310	63	146	26	41
24....	168	97	285	335	404	340	614	843	57	135	32	44
25....	182	111	293	332	376	352	667	581	56	128	151	44
26....	174	108	292	305	350	372	736	444	53	110	93	39
27....	155	106	285	282	334	380	774	260	47	106	66	42
28....	148	110	285	248	338	354	929	206	43	99	58	43
29....	132	107	280	260	331	354	1090	177	43	95	49	36
30....	126	111	281	274	....	358	1170	139	43	82	46	36
31....	121	....	286	262	....	364	....	130	....	74	46	....
Total	2665	3116	6571	8525	10416	9660	13948	54380	2827	6260	1420	1123
Mean.	86.0	104	212	275	359	312	465	1754	94.2	202	45.8	37.4
Max..	182	115	320	364	440	380	1170	3050	165	941	151	44
Min..	29	94	110	151	232	213	182	130	43	40	20	31
Ac.-ft.	5290	6180	13030	16910	20660	19160	27670	107900	5610	12420	2820	2230

Total run-off for period=239,900 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Tarryall Creek Near Lake George, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	11	21	....	....	....	....	115	46	46	86	36	23
2....	11	20	....	....	....	....	113	44	46	81	56	36
3....	11	24	....	....	....	....	93	42	39	59	65	30
4....	11	25	....	....	....	....	88	44	33	33	65	22
5....	9.3	22	....	....	....	....	59	47	30	27	20	16
6....	6.3	....	*16	....	....	....	69	46	29	23	50	11
7....	6.3	....	....	....	....	....	73	46	26	14	49	6.6
8....	6.3	....	....	....	....	....	75	38	23	11	46	6.3
9....	6.3	....	....	....	....	....	64	36	22	9.9	70	18
10....	6.3	....	....	....	....	....	57	36	20	7.8	112	18
11....	6.3	....	....	....	....	....	50	33	26	6.3	84	23
12....	6.6	....	....	....	....	....	42	28	33	10	65	23
13....	7.8	....	....	....	....	....	29	21	45	59	46	18
14....	9.6	....	....	....	....	....	52	16	48	54	71	16
15....	9.0	....	....	....	....	....	85	14	42	45	51	14
16....	11	....	....	....	....	....	66	12	37	34	53	14
17....	11	....	....	....	....	....	64	9.3	30	33	57	12
18....	9.6	....	....	....	....	....	60	7.8	26	29	89	12
19....	9.0	....	....	....	....	....	54	9.6	20	28	104	10
20....	8.4	....	....	....	....	....	40	11	18	26	81	9.0
21....	8.4	....	....	....	....	....	43	16	16	29	66	8.4
22....	8.4	....	....	....	....	....	50	29	16	26	44	9.3
23....	8.7	....	....	....	....	....	49	35	17	25	41	9.9
24....	9.0	....	....	....	....	....	60	30	32	23	39	9.9
25....	10	....	....	....	....	....	66	27	50	40	34	10
26....	9.9	....	....	....	....	....	71	25	50	27	32	11
27....	10	....	....	....	....	....	65	16	48	19	36	14
28....	18	....	....	....	....	....	56	14	50	15	36	14
29....	22	....	....	....	....	....	50	12	69	16	36	12
30....	25	....	....	....	....	....	47	24	107	20	44	12
31....	24	....	....	....	....	....	....	30	....	30	40	....
Total	326.5	....	....	....	....	....	1905	844.7	1094	946.0	1718	448.4
Mean.	10.5	....	....	....	....	....	63.5	27.2	36.5	30.5	55.4	14.9
Max..	25	....	....	....	....	....	115	47	107	86	112	36
Min..	6.3	....	....	....	....	....	29	7.8	16	6.3	20	6.3
Acre-ft.	648	....	....	....	....	....	3780	1680	2170	1880	3410	889

Total run-off for period=14,460 acre-feet.

*Discharge measurement made on this day.

Discharge of Tarryall Creek Near Lake George, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	11	12	5.0	3.0	2.0	4.0	17	72	81	92	19	19
2....	17	13	5.0	3.0	2.0	4.0	17	66	107	84	22	15
3....	19	16	5.0	3.0	2.0	4.0	17	69	83	92	22	18
4....	18	15	5.0	3.0	2.0	4.0	17	58	81	174	21	18
5....	17	11	5.0	3.0	2.0	4.0	17	45	78	166	22	14
6....	19	7.8	5.0	3.0	2.0	4.0	17	42	74	142	37	11
7....	17	8.0	5.0	3.0	2.0	4.0	17	57	68	72	32	10
8....	16	7.0	5.0	3.0	2.0	4.0	17	89	64	56	25	7.8
9....	14	7.0	5.0	3.0	2.0	4.0	17	95	60	48	22	9.8
10....	13	7.0	5.0	3.0	2.0	4.0	17	84	60	42	23	7.5
11....	15	7.0	5.0	3.0	2.0	4.0	17	74	73	19	39	5.3
12....	15	7.0	5.0	3.0	2.0	4.0	17	67	99	14	40	5.1
13....	11	7.0	*5.0	3.0	2.0	4.0	17	64	106	29	29	5.1
14....	9.2	7.0	5.0	3.0	2.0	4.0	17	67	106	34	20	5.1
15....	8.6	7.0	5.0	3.0	2.0	4.0	49	72	92	30	16	7.5
16....	7.0	7.0	5.0	3.0	2.0	4.0	47	72	89	32	12	8.9
17....	6.8	7.0	5.0	3.0	2.0	4.0	45	72	74	42	8.9	7.8
18....	8.0	7.0	5.0	3.0	2.0	4.0	46	66	64	48	8.9	12
19....	11	7.0	5.0	3.0	2.0	4.0	41	49	50	58	10	17
20....	11	7.0	5.0	3.0	2.0	4.0	37	40	44	85	13	15
21....	8.6	7.0	5.0	3.0	2.0	4.0	35	38	34	84	14	12
22....	9.8	7.0	5.0	3.0	2.0	4.0	33	31	30	81	15	8.6
23....	14	7.0	5.0	3.0	*2.0	4.0	32	29	28	91	18	6.2
24....	12	7.0	5.0	3.0	2.0	4.0	30	30	28	68	19	5.3
25....	11	7.0	5.0	3.0	2.0	4.0	28	35	85	58	28	9.2
26....	10	7.0	5.0	3.0	2.0	4.0	29	41	130	65	25	8.3
27....	12	7.0	5.0	3.0	2.0	4.0	32	63	114	59	34	7.8
28....	12	7.0	5.0	3.0	2.0	4.0	45	96	96	40	24	7.5
29....	12	7.0	5.0	3.0	2.0	4.0	68	107	92	30	16	7.8
30....	16	7.0	5.0	3.0	....	4.0	74	101	90	18	10	7.2
31....	12	....	5.0	3.0	....	4.0	....	89	....	14	6.0	....
Total	393.0	243.8	155.0	93.0	58.0	124.0	909	1980	2280	1967	650.8	298.8
Mean.	12.7	8.13	5.00	3.00	2.00	4.00	30.3	63.9	76.0	63.5	21.0	9.96
Max..	19	16	....	....	....	....	74	107	130	174	40	19
Min..	6.8	....	....	....	....	....	....	29	28	14	6.0	5.1
Acre-ft.	780	484	307	184	115	246	1800	3930	4520	3900	1290	593

Total run-off for period=18,150 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Goose Creek Above Lake Cheesman, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	14	....	....	....	....	....	....	41	66	44	23	13
2....	14	....	....	....	....	....	....	33	65	30	19	12
3....	15	....	....	....	....	....	....	30	64	27	18	12
4....	15	....	....	....	....	....	....	27	64	25	19	11
5....	15	....	....	....	....	....	....	28	63	24	19	11
6....	14	....	....	....	....	....	....	27	62	25	26	10
7....	14	....	....	....	....	....	....	32	60	26	32	10
8....	14	....	....	....	....	....	....	40	58	26	24	10
9....	14	....	....	....	....	....	....	38	54	25	36	11
10....	14	....	....	....	....	....	....	51	52	26	40	11
11....	14	....	....	....	....	....	....	84	59	23	25	10
12....	15	....	....	....	....	....	....	75	58	21	20	10
13....	16	....	....	....	....	....	....	53	53	19	17	9.8
14....	24	....	....	....	....	....	....	48	48	17	16	10
15....	25	....	....	....	....	....	....	46	43	18	15	11
16....	30	....	....	....	....	....	....	48	40	18	18	10
17....	30	....	....	....	....	....	....	46	38	17	38	10
18....	25	....	....	....	....	....	Apr. 20	48	36	19	54	9.8
19....	23	....	....	....	....	....	to 30	52	35	18	34	9.8
20....	22	....	....	....	....	....	44	68	34	16	23	11
21....	25	....	....	....	....	....	53	72	32	16	20	10
22....	27	....	....	....	....	....	41	64	31	23	18	9.8
23....	29	....	....	....	....	....	62	58	28	26	17	9.2
24....	26	....	....	....	....	....	64	58	27	23	16	9.8
25....	26	....	....	....	....	....	53	54	27	23	17	9.5
26....	25	....	....	....	....	....	51	51	26	19	17	9.2
27....	25	....	....	....	....	....	46	50	30	15	17	8.9
28....	25	....	....	....	....	....	38	50	28	15	17	8.9
29....	24	....	....	....	....	....	40	51	37	15	14	8.9
30....	21	....	....	....	....	....	42	54	52	19	14	10
31....	20	....	....	....	....	....	....	58	....	28	14	....
Total	640	....	....	....	....	....	534	1535	1370	686	697	306.6
Mean.	20.6	....	....	....	....	....	48.5	49.5	45.7	22.1	22.5	10.2
Max..	30	....	....	....	....	....	64	84	66	44	54	13
Min..	14	....	....	....	....	....	38	27	26	15	14	8.9
Acre-ft.	1270	....	....	....	....	....	1060	3040	2720	1360	1380	608

Total run-off for period=11,440 acre-feet.

Discharge of Goose Creek Above Lake Cheesman, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	17	14	....	....	....	....	9.5	35	147	40	17	8.9
2....	17	13	....	....	....	....	9.5	39	142	46	18	8.6
3....	13	14	....	....	....	....	9.5	37	133	50	17	8.3
4....	12	17	....	....	....	....	13	32	129	53	15	8.0
5....	11	16	....	....	....	....	15	34	118	67	16	8.0
6....	11	13	....	....	....	....	14	43	118	57	19	8.3
7....	11	10	....	....	....	....	14	67	120	42	17	8.3
8....	11	9.5	....	....	....	....	14	78	112	36	16	7.7
9....	10	11	....	....	....	....	16	90	105	34	16	7.7
10....	9.8	14	....	....	....	....	8.5	104	101	34	19	7.7
11....	10	15	....	....	....	....	15	95	94	36	17	7.7
12....	11	13	....	....	....	....	21	139	90	40	13	7.7
13....	11	15	....	....	....	....	20	156	87	38	13	7.7
14....	11	17	....	....	....	....	19	177	82	32	12	7.7
15....	12	10	....	....	....	....	18	153	78	32	12	7.7
16....	10	13	....	....	....	....	17	180	75	40	12	7.7
17....	10	13	....	....	....	....	15	154	69	34	12	7.7
18....	9.8	14	....	....	....	....	17	112	66	29	18	7.4
19....	9.5	13	....	....	....	....	17	125	63	30	17	7.4
20....	9.8	13	....	....	....	....	15	136	60	42	15	7.1
21....	11	13	....	....	....	....	14	134	56	65	17	7.1
22....	12	13	....	....	....	....	17	133	52	42	17	6.2
23....	13	12	....	....	....	....	16	145	50	30	14	5.9
24....	13	12	....	....	....	....	19	140	51	32	15	5.6
25....	13	7.5	....	....	....	....	21	124	53	32	15	5.0
26....	15	6.0	....	....	....	....	21	114	50	27	13	8.0
27....	15	5.0	....	....	....	....	30	118	43	22	11	7.4
28....	15	6.0	....	....	....	....	35	126	36	17	11	7.1
29....	15	7.0	....	....	....	....	30	150	49	17	10	7.1
30....	14	7.5	....	....	....	....	30	146	43	20	10	7.1
31....	14	....	....	....	....	....	....	153	....	19	9.8	....
Total	376.9	356.5	310	279	188.5	248.0	530.0	3474	2472	1135	453.8	223.8
Mean.	12.2	11.9	10.0	9.0	6.5	8.0	17.7	112	82.4	36.6	14.6	7.46
Max..	17	17	....	....	....	....	35	180	147	67	19	8.9
Min..	9.5	5.0	....	....	....	....	8.5	32	36	17	9.8	5.0
Acre-ft.	748	707	615	553	374	492	1050	6890	4900	2250	900	444

Total run-off for period=19,920 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of North Fork of South Platte River at Grant, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	29	26	21	18	14	16	27	173	274	234	94	49
2....	29	29	23	17	14	16	26	197	252	214	70	45
3....	29	28	23	17	14	17	29	166	214	218	73	43
4....	29	24	23	17	15	17	40	173	222	208	72	41
5....	29	22	20	17	15	17	33	132	208	197	74	41
6....	29	22	20	16	15	17	31	144	218	170	67	39
7....	28	21	20	16	15	17	36	119	208	153	67	35
8....	28	23	19	16	15	17	28	94	211	147	76	33
9....	28	23	20	16	15	16	29	94	256	144	82	31
10....	27	18	20	16	15	16	29	104	256	141	70	29
11....	26	20	20	15	15	16	37	112	248	144	65	29
12....	26	25	20	14	16	16	28	119	256	126	57	27
13....	42	26	20	16	15	14	26	116	261	124	57	27
14....	36	26	20	16	16	16	30	104	214	119	57	27
15....	35	26	20	16	16	15	39	109	214	144	63	27
16....	37	24	20	17	16	14	38	114	204	121	68	27
17....	36	24	20	15	17	16	33	107	214	126	70	27
18....	29	26	20	13	17	16	43	96	218	129	66	27
19....	29	24	19	14	17	15	43	92	234	109	67	27
20....	30	22	20	16	17	16	46	107	243	102	65	27
21....	29	20	19	16	17	16	54	132	238	104	61	27
22....	30	18	19	16	16	16	50	116	230	107	62	27
23....	25	25	19	16	*16	16	57	119	214	98	57	27
24....	23	24	19	16	15	15	72	138	218	109	60	27
25....	30	*22	19	16	15	19	73	126	234	107	57	27
26....	32	22	19	16	12	13	80	156	234	86	56	27
27....	32	23	18	*15	14	17	73	208	238	84	55	27
28....	25	23	19	14	15	25	74	222	238	82	57	29
29....	28	22	19	14	....	26	88	279	222	84	53	27
30....	28	23	19	14	....	27	116	292	297	86	55	27
31....	27	....	*19	14	....	29	....	252	....	86	53	....
Total	920	701	616	485	429	539	1408	4512	6988	4103	2006	930
Mean.	29.7	23.4	19.9	15.6	15.3	17.4	46.9	146	233	132	64.7	31.0
Max..	42	29	23	18	17	29	116	292	297	234	94	49
Min..	23	18	18	13	12	13	26	92	204	82	53	27
Acre-ft.	1820	1390	1220	962	851	1070	2790	8950	13860	8140	3980	1840

Total run-off for period=46,870 acre-feet.

*Winter discharge measurement made on this day.

Discharge of North Fork of South Platte River at Grant, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	27	20	15	9.2	8.8	9.0	13	22	365	246	63	34
2....	27	21	14	9.4	9.2	9.6	13	24	330	262	66	34
3....	27	18	15	8.8	9.6	9.2	14	20	250	250	72	32
4....	27	24	15	8.4	9.8	9.2	15	23	238	206	67	27
5....	27	22	14	8.8	9.4	9.6	18	34	198	202	62	28
6....	26	21	13	8.2	10	9.6	18	55	279	194	62	28
7....	27	19	14	7.8	11	9.4	18	67	375	184	62	28
8....	26	18	14	7.6	11	9.8	18	106	238	175	62	28
9....	26	21	12	7.8	10	10	19	80	415	169	61	28
10....	26	22	12	7.8	7.6	10	13	115	415	157	61	27
11....	26	23	12	7.4	6.8	10	17	73	355	150	60	27
12....	26	21	11	7.2	7.0	10	22	134	330	157	57	25
13....	26	22	10	6.8	7.2	10	21	163	325	157	50	25
14....	26	23	11	6.8	7.2	9.0	21	190	315	150	49	24
15....	26	19	11	7.4	7.2	9.4	19	190	325	152	50	24
16....	26	21	12	8.0	7.6	10	19	218	310	147	49	24
17....	25	21	12	9.0	7.4	11	18	175	306	132	48	24
18....	23	22	12	8.8	7.4	11	19	169	325	120	48	24
19....	21	21	11	9.0	7.6	11	19	166	325	129	47	24
20....	20	21	11	10	7.8	11	18	222	330	132	46	24
21....	20	20	11	10	8.0	11	17	178	315	124	44	24
22....	27	20	10	10	8.0	11	18	194	292	117	43	24
23....	28	19	9.2	10	*8.1	12	19	230	310	115	43	24
24....	24	19	9.4	10	8.2	11	18	222	284	102	43	24
25....	25	16	9.6	*9.8	8.6	11	14	169	279	92	43	24
26....	24	14	9.4	9.4	8.6	12	18	160	306	90	43	24
27....	24	*13	9.0	8.6	8.4	12	20	202	266	87	43	24
28....	24	15	*8.8	8.4	8.4	12	24	181	292	82	41	24
29....	*23	16	8.8	8.4	8.6	12	24	218	288	76	39	24
30....	21	16	9.0	8.4	....	*13	22	365	262	72	38	24
31....	21	....	9.0	8.6	....	13	....	288	....	68	35	....
Total	772	588	354.2	265.8	244.5	327.8	546	4653	9243	4496	1597	779
Mean.	24.9	19.6	11.4	8.57	8.43	10.6	18.2	150	308	145	51.5	26.0
Max..	28	24	15	10	11	13	24	365	415	262	72	34
Min..	20	13	8.8	6.8	6.8	9.0	13	20	198	68	35	24
Acre-ft.	1530	1170	703	527	485	650	1080	9230	18330	8920	3170	1550

Total run-off for period=47,340 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of North Fork of South Platte River at Pine, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	55	70	52	48	40	40	54	230	307	307	125	67
2....	55	71	56	46	38	36	52	270	362	263	112	67
3....	55	71	56	44	38	40	68	210	307	259	112	66
4....	55	71	54	42	34	42	72	220	303	246	106	61
5....	54	64	50	42	36	44	66	182	266	220	112	58
6....	53	56	44	44	38	42	64	176	284	208	114	57
7....	53	55	40	46	38	44	72	168	307	211	104	56
8....	53	66	44	46	40	46	66	159	303	199	114	56
9....	53	68	50	46	42	44	64	152	338	199	127	56
10....	53	34	50	44	40	42	64	168	358	187	121	56
11....	52	36	52	44	38	42	68	202	346	176	106	56
12....	62	62	54	42	38	40	72	196	315	162	94	53
13....	60	64	54	46	40	38	68	176	299	154	94	53
14....	77	68	52	48	42	42	66	173	284	152	89	53
15....	76	72	50	48	40	40	72	159	288	157	87	53
16....	88	64	50	44	40	38	80	157	266	162	106	49
17....	90	52	50	36	40	42	76	157	270	157	136	48
18....	74	64	50	36	40	40	74	162	281	159	134	46
19....	76	60	44	38	40	38	80	173	284	139	104	49
20....	73	52	46	42	42	40	86	187	281	132	96	52
21....	73	44	46	46	40	42	100	236	288	146	91	54
22....	70	38	46	50	40	42	98	211	288	252	92	51
23....	77	60	48	52	*40	38	110	223	299	168	86	48
24....	68	58	50	48	40	*35	125	226	296	141	84	48
25....	79	*56	50	46	36	40	135	233	284	136	84	46
26....	74	54	48	38	32	44	140	236	284	114	82	44
27....	82	56	44	*42	36	46	*136	259	284	112	82	42
28....	85	56	46	44	40	42	140	307	284	118	79	47
29....	77	54	46	44	....	48	160	326	284	114	71	49
30....	70	56	48	42	....	54	190	437	455	129	71	54
31....	48	....	*45	42	....	54	....	346	....	123	71	....
Total	2060	1752	1515	1366	1088	1305	2718	6717	9095	5402	3086	1595
Mean.	66.5	58.4	49.8	44.1	38.9	42.1	90.6	217	303	174	99.5	53.2
Max..	90	72.0	56	52	42	54	190	437	455	307	136	67
Min..	48	34.0	40	36	32	35	52	152	266	112	71	42
Acre-ft.	4090	3480	3000	2710	2160	2590	5390	13320	18040	10710	6120	3160

Total run-off for period=74,770 acre-feet.

*Winter discharge measurement made on this day.

Discharge of North Fork of South Platte River at Pine, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	72	44	27	30	22	25	31	120	600	330	103	57
2....	57	41	33	31	23	26	32	142	588	330	105	54
3....	51	46	32	29	24	26	32	118	470	338	101	50
4....	48	54	29	27	24	26	44	101	410	338	97	50
5....	47	48	30	28	25	26	50	109	358	310	97	50
6....	46	44	31	26	25	26	47	155	425	298	103	50
7....	45	33	32	23	25	26	49	204	630	262	95	48
8....	45	32	32	22	25	27	48	222	495	243	86	47
9....	46	27	31	21	24	27	58	234	594	240	86	46
10....	46	45	29	21	22	27	24	246	714	240	91	47
11....	47	52	30	21	19	28	44	234	555	243	84	49
12....	47	44	32	21	18	27	68	272	520	249	72	45
13....	47	49	33	22	18	26	64	338	470	237	72	45
14....	47	58	33	21	19	26	60	385	465	213	71	45
15....	47	34	33	21	20	27	56	405	430	213	68	46
16....	46	44	31	21	20	29	55	430	460	258	66	46
17....	46	44	29	22	21	29	51	430	440	210	65	45
18....	45	48	30	23	21	29	55	338	385	225	66	44
19....	43	43	32	22	21	29	56	283	450	139	76	44
20....	39	42	32	23	22	29	46	290	405	225	82	44
21....	39	43	32	23	22	29	46	294	410	204	81	42
22....	58	41	32	23	22	29	52	330	405	183	71	41
23....	60	42	31	23	*23	31	49	430	370	177	65	40
24....	48	41	30	23	23	30	57	445	385	189	92	40
25....	51	26	30	*23	23	30	68	395	405	186	76	41
26....	49	19	31	22	23	31	68	358	380	155	66	48
27....	49	15	31	20	23	32	105	326	314	148	64	50
28....	49	19	*31	20	24	33	122	330	334	130	58	44
29....	49	19	31	20	24	33	115	405	330	128	57	43
30....	44	22	30	21	....	*33	118	505	334	109	62	41
31....	44	....	30	22	....	32	....	582	....	125	61	....
Total	1497	1167	960	715	645	884	1772	9456	13531	6925	2439	1382
Mean.	48.3	38.9	31.0	23.1	22.2	28.5	59.1	305	451	223	78.7	46.1
Max..	72	58	33	31	25	33	122	582	714	338	105	57
Min..	39	15	27	20	18	25	24	101	314	109	57	40
Acre-ft.	2970	2310	1900	1420	1280	1750	3510	18760	26840	13740	4840	2740

Total run-off for period=82,060 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of North Fork of South Platte River at South Platte, Colo., for
Year Ending Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	53	72	60	54	56	35	64	227	380	342	138	76
2....	53	81	59	53	58	25	60	264	376	252	126	70
3....	56	79	58	47	60	32	82	255	361	243	130	67
4....	54	79	54	38	49	46	80	252	332	225	118	67
5....	54	68	53	44	55	44	77	239	310	210	123	53
6....	54	58	40	46	52	38	80	224	314	192	126	51
7....	53	74	29	46	60	44	86	227	335	180	116	48
8....	53	68	39	45	67	58	94	218	335	169	121	46
9....	53	76	54	48	77	84	87	212	357	163	118	46
10....	51	49	54	49	67	76	80	236	388	155	99	48
11....	49	19	55	55	67	67	74	248	380	140	81	49
12....	51	28	56	59	67	64	67	239	361	133	72	49
13....	58	70	58	64	67	56	76	233	335	123	65	51
14....	92	65	59	71	73	49	84	224	321	118	61	51
15....	97	86	55	76	73	37	90	215	318	138	60	53
16....	130	85	48	58	73	23	102	209	304	133	74	51
17....	121	55	53	38	68	26	94	206	294	130	111	51
18....	104	80	45	22	70	26	94	206	297	126	121	51
19....	90	87	38	35	70	20	92	239	300	109	92	51
20....	86	82	36	42	74	22	108	255	294	106	79	61
21....	81	55	40	70	63	27	119	294	304	109	95	53
22....	77	24	40	94	67	25	115	287	304	172	116	53
23....	81	71	40	98	61	24	143	287	307	160	111	56
24....	77	115	45	88	56	26	161	297	307	128	111	45
25....	88	92	46	85	55	34	161	290	297	130	116	40
26....	86	61	46	64	56	48	163	297	297	104	118	42
27....	90	68	38	80	47	58	161	314	290	92	121	43
28....	86	85	36	84	56	45	161	357	304	130	114	51
29....	81	71	52	82	....	66	171	399	304	128	104	77
30....	70	73	46	70	....	75	187	501	422	133	104	106
31....	63	....	49	70	....	70	....	438	....	142	106	....
Total	2232	2076	1481	1875	1764	1370	3213	8413	9828	4815	3247	1656
Mean...	73.9	69.2	47.8	60.5	63.0	44.2	107	271	328	155	105	55.2
Max...	130	115	60	98	77	84	187	501	422	342	138	106
Min...	49	19	29	22	47	20	60	206	290	92	60	40
Acre-ft.	4550	4120	2940	3720	3500	2720	6370	16690	19490	9550	6440	3280

Total run-off for water year=83,370 acre-feet.

**Discharge of North Fork of South Platte River at South Platte, Colo., for Year Ending
Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	82	44	32	37	26	28	42	205	720	400	119	96
2....	70	30	37	36	27	28	34	219	676	382	119	65
3....	62	36	36	35	27	29	42	174	576	432	111	54
4....	56	48	34	34	28	29	51	168	527	418	109	53
5....	51	48	35	35	29	29	63	189	452	392	177	53
6....	49	45	36	35	29	29	79	236	497	356	186	52
7....	48	32	36	34	29	29	68	325	692	313	180	51
8....	47	30	37	32	29	30	65	351	576	285	174	47
9....	47	42	37	30	28	31	90	392	670	278	139	47
10....	47	40	34	28	27	31	57	418	884	289	137	46
11....	47	53	36	26	21	31	57	382	754	296	121	53
12....	47	51	37	26	19	30	117	462	653	300	115	52
13....	47	48	38	27	20	30	123	527	587	282	107	48
14....	46	47	39	27	22	31	109	609	560	253	101	46
15....	51	43	38	*27	23	33	96	592	538	249	99	46
16....	48	38	37	27	23	33	101	648	560	308	97	46
17....	51	39	*35	28	23	33	85	614	548	249	97	45
18....	48	47	35	28	23	33	74	187	507	229	99	44
19....	47	46	36	28	23	33	92	418	517	226	105	45
20....	50	44	37	28	23	33	78	418	538	246	109	43
21....	42	42	37	28	*24	33	76	405	532	249	115	43
22....	47	45	36	29	24	35	79	442	522	209	109	48
23....	60	48	35	28	25	36	74	538	472	189	105	53
24....	52	44	36	28	26	36	84	587	487	205	123	43
25....	48	46	36	27	26	36	103	532	477	205	119	44
26....	47	29	36	26	26	37	109	492	487	177	115	52
27....	44	22	37	23	26	38	153	437	447	160	113	113
28....	43	24	37	23	27	39	195	432	414	146	105	97
29....	43	26	36	23	27	39	186	522	472	137	103	96
30....	43	29	36	24	....	34	177	598	442	134	105	94
31....	40	....	37	25	....	40	....	698	....	128	103	....
Total	1550	1206	1121	893	730	1016	2759	13517	16784	8122	3716	1715
Mean...	50.0	40.2	36.2	28.8	25.2	32.8	92.0	436	559	262	120	57.2
Max...	82	53	39	37	29	40	195	698	884	432	186	113
Min...	40	22	32	23	19	28	34	168	414	128	97	43
Acre-ft.	3070	2390	2220	1770	1450	2020	5470	26810	33290	16110	7370	3400

Total run-off for water year=105,400 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Deer Creek Near Littleton, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	0.4	2.6	1.1	1.4	0.7	0.6	3.0	2.2	16	2.1	0.1	0.1
2.....	0.4	2.6	1.3	1.1	0.8	0.7	3.0	2.0	15	1.5	0.2	0.1
3.....	0.4	2.4	1.2	1.0	0.8	0.9	2.9	2.0	13	4.4	1.0	0
4.....	0.4	2.4	1.1	0.8	0.7	1.0	2.7	2.0	12	1.7	0.5	0
5.....	0.5	2.3	1.1	0.7	0.7	1.0	2.6	2.0	12	1.3	0.4	0
6.....	0.5	2.4	1.0	0.7	0.8	1.0	2.6	2.1	11	1.1	0.2	0.1
7.....	0.5	2.1	1.0	0.7	0.8	1.0	2.6	3.4	11	0.7	0.2	0
8.....	0.4	1.9	1.0	0.7	0.8	1.2	5.2	5.2	9.0	0.7	0.1	0
9.....	0.4	2.0	0.7	0.7	0.8	1.8	5.2	6.0	8.4	1.0	0.2	0
10.....	0.4	2.1	0.7	0.7	0.8	1.7	5.6	6.9	6.3	4.0	0.2	0
11.....	0.4	2.3	0.7	0.7	0.8	2.0	4.0	7.2	6.0	2.0	0.1	0
12.....	0.4	2.1	0.7	0.7	0.7	2.0	3.8	6.6	6.3	0.9	0.1	0
13.....	0.8	1.8	0.7	0.6	1.0	1.8	4.4	6.0	6.3	0.7	0.1	0
14.....	1.0	1.7	0.7	0.7	1.0	1.8	4.2	5.6	5.8	0.5	0.1	0
15.....	4.0	1.7	0.7	0.8	1.0	1.4	4.2	5.8	5.6	0.5	0.0	0
16.....	6.3	1.8	0.7	0.7	0.9	2.1	4.0	5.8	5.0	0.5	0.0	0
17.....	12	1.8	0.8	0.7	0.9	2.9	3.7	6.0	3.8	0.5	0.4	0
18.....	5.2	1.7	0.8	0.6	0.9	1.4	3.7	8.7	3.2	0.3	2.3	0
19.....	3.8	1.8	0.7	0.6	0.7	1.3	3.5	11	3.0	0.3	1.0	0
20.....	3.4	1.8	0.7	0.6	0.7	1.3	3.5	16	2.3	0.2	1.0	0
21.....	3.0	1.7	0.7	1.4	0.7	1.3	3.4	19	2.0	0.2	0.1	0
22.....	2.7	1.7	0.8	1.5	0.7	1.3	3.2	20	2.0	0.2	0.1	0
23.....	2.7	1.8	0.8	1.3	0.9	1.2	2.9	19	1.7	0.4	0.1	0
24.....	3.2	2.0	0.8	1.2	1.0	1.3	2.7	20	1.2	0.4	0.0	0
25.....	4.2	2.1	0.8	1.2	0.9	1.5	2.9	17	1.2	0.2	0.1	0
26.....	3.0	1.0	0.7	1.2	0.8	3.4	2.7	16	1.2	0.1	0.1	0
27.....	2.7	1.5	0.9	1.2	0.9	3.2	2.3	16	1.2	0.2	0.1	0
28.....	2.9	1.4	1.3	1.0	0.9	3.7	2.3	13	2.0	0.1	0.1	0
29.....	3.0	1.2	1.3	0.9	.....	3.8	2.3	16	1.7	0.1	0.1	0
30.....	2.9	1.2	1.2	0.9	.....	3.7	2.2	17	2.0	0.1	0.1	0
31.....	2.6	.....	1.2	0.8	.....	2.9	.....	17	.....	0.1	0.1	.....
Total	74.5	56.9	27.9	27.8	23.1	56.2	101.3	302.5	177.2	27.0	9.8	0.3
Mean.	2.40	1.90	.90	.90	.82	1.81	3.38	9.76	5.91	.87	.30	.01
Max.	12	2.6	1.3	1.5	1.0	3.8	5.6	20	16	4.4	2.3	0.1
Min.	0.4	1.0	0.7	0.6	0.7	0.6	2.2	2.0	1.2	0.1	0	0
Acre-ft.	148	113	55	55	46	111	201	600	351	54	18	0.6

Total run-off for period=1,750 acre-feet.

Discharge of Deer Creek Near Littleton, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	0	0.1	0.1	0.1	0.1	0.4	3.0	81	15	0.8	0.1	0
2.....	0	0.1	0.1	0.1	0.1	0.5	3.2	67	13	0.8	0.1	0
3.....	0	0.1	0.1	0.1	0.1	0.5	2.4	67	12	1.7	0.1	0.1
4.....	0	0.1	0.1	0.1	0.3	0.6	3.2	72	12	2.7	0.1	0.1
5.....	0	0.1	0.1	0.1	0.2	0.4	5.2	71	10	1.8	0.1	0.1
6.....	0	0.1	0.1	0.1	0.2	0.4	7.2	114	8.1	1.5	0	0
7.....	0	0.1	0.1	0.1	0.2	0.2	8.4	126	9.4	1.2	0.1	0
8.....	0	0.1	0.1	0.1	0.2	0.4	8.7	138	6.9	0.5	0.1	0
9.....	0	0.1	0.1	0.1	0.2	0.4	13	141	5.8	0.2	0.1	0
10.....	0	0.1	0.1	0.1	0.2	0.4	13	138	4.8	0.2	0.1	0
11.....	0	0.1	0.2	0.1	0.2	0.4	17	138	4.4	0.2	0.1	0
12.....	0	0.1	0.2	0.1	0.1	0.5	34	127	4.0	4.0	0	0
13.....	0	0.1	0.2	0	0.1	0.4	46	126	4.8	1.1	0	0
14.....	0	0.1	0.2	0	0.1	1.7	43	121	3.0	0.6	0	0
15.....	0	0.1	0.2	0	0.1	1.3	39	109	2.1	0.6	0	0
16.....	0	0.1	0.2	0	0.2	1.2	41	106	1.8	0.5	0	0
17.....	0	0.1	0.2	0	0.1	1.3	21	93	1.8	0.4	0	0
18.....	0	0.1	0.2	0.1	0.1	1.5	21	85	1.8	0.2	0	0
19.....	0	0.1	0.2	0.1	0.1	1.8	24	67	1.8	1.0	0	0
20.....	0	0.1	0.2	0.1	0.1	1.2	22	53	1.8	2.3	0	0
21.....	0	0.1	0.2	0.1	0.2	1.2	21	46	1.5	2.1	0	0
22.....	0	0.1	0.2	0.1	0.2	1.4	20	37	1.3	1.7	0	0
23.....	0	0.1	0.2	0.1	0.2	2.1	22	28	1.2	0.9	0	0
24.....	0	0.1	0.2	0.1	0.4	1.7	25	26	1.1	0.6	4.6	0
25.....	0	0.1	0.2	0.1	0.4	2.0	31	24	1.1	0.4	0.3	0
26.....	0	0.1	0.2	0.1	0.3	1.1	48	22	1.1	0.4	5.8	0
27.....	0	0.1	0.2	0.1	0.3	1.2	64	28	1.0	0.4	0.1	0
28.....	0	0.1	0.1	0.1	0.3	1.8	88	34	1.0	0.2	0.1	0
29.....	0	0.1	0.1	0.1	0.4	1.6	98	22	0.8	0.2	0.1	0
30.....	0	0.1	0.1	0.1	.....	2.2	77	17	0.8	0.2	0.1	0
31.....	0	.....	0.1	0.1	.....	2.7	.....	16	.....	0.2	0	.....
Total	0	3.0	4.8	2.6	5.7	34.5	869.3	2340	1352	29.6	12.1	0.3
Mean.	0	0.10	0.15	0.08	0.20	1.11	29.0	75.5	4.51	0.95	0.39	0.01
Max.	0	0.1	0.2	0.1	0.4	2.7	98	141	15	4.0	5.8	0.1
Min.	0	0.1	0.1	0	0.1	0.2	2.4	16	0.8	0.2	0	0
Acre-ft.	0	6.0	9.5	5.2	11	68	1720	4640	268	59	9.2	0.6

Total run-off for period=6,810 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Plum Creek Near Sedalia, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	6.7	19	24	24	28	19	9.6	4.2	55	9.6	0.4	0
2....	6.7	28	35	22	26	15	9.6	5.0	33	12	1.0	0
3....	6.7	26	32	13	26	20	11	4.2	29	8.4	0.6	0
4....	6.7	24	39	12	27	23	11	5.0	25	9.6	0.3	0
5....	7.4	32	32	16	28	17	12	5.0	29	7.4	0.3	0
6....	9.0	30	28	15	26	15	16	6.6	22	4.2	0	0
7....	8.2	30	47	18	26	24	41	17	22	2.8	0.1	0
8....	8.2	35	43	22	17	43	60	14	11	12	0.2	0
9....	7.4	32	32	26	22	17	37	14	41	1.5	0.2	0
10....	5.5	32	39	30	17	30	17	14	25	1.0	0.2	0
11....	4.5	39	43	21	20	22	16	8.4	25	0	0.2	0
12....	5.0	35	32	*23	30	22	19	5.8	22	0	0.2	0
13....	11	30	22	27	26	22	17	16	22	0	0	0
14....	9.9	28	22	22	28	22	25	25	19	0	0	0
15....	84	24	22	26	17	26	19	25	17	0.1	0	0
16....	107	28	24	18	22	32	22	16	9.6	0	0.4	0
17....	126	24	17	14	16	19	7.4	17	9.6	0.1	1.2	0
18....	70	26	19	13	35	15	22	29	9.6	3.3	1.2	0
19....	56	26	17	17	32	12	11	55	8.4	1.2	1.2	0
20....	28	24	35	23	28	14	12	37	6.6	0.6	0.6	0
21....	22	56	32	60	28	9.9	9.6	55	2.8	0.4	0.1	0
22....	26	39	22	40	28	9.9	8.4	95	2.2	3.4	0.1	0
23....	43	39	19	24	32	17	5.8	85	3.4	5.0	0	0
24....	47	43	28	20	20	11	4.2	75	4.2	1.2	0	0
25....	65	30	28	20	20	12	7.4	85	7.4	0.2	0.1	0
26....	47	22	35	*15	22	8.4	3.4	80	4.2	0.3	0.1	0
27....	39	24	20	26	24	9.6	11	50	5.8	0.2	0.1	0
28....	32	28	25	29	20	7.4	8.4	25	50	0.4	0.2	0
29....	32	28	23	25	....	9.6	9.6	25	41	0.6	0	0
30....	32	28	*30	28	....	9.6	8.4	60	25	0.4	0	0
31....	26	....	35	23	....	9.6	....	55	....	0.4	0	....
Total	984.9	918	901	712	691	543.0	470.8	1013.2	586.8	116.0	9.0	0
Mean.	31.8	30.6	29.1	23.0	24.7	17.5	15.7	32.7	19.6	3.74	1.29	0
Max..	126	56	47	60	35	43	60	95	55	33	1.2	0
Min..	4.5	19	17	12	16	7.4	3.4	4.2	2.2	0	0	0
Acre-ft.	1950	1820	1790	1410	1370	1080	934	2010	1160	230	18	0

Total run-off for period=13,780 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Plum Creek Near Sedalia, Colo., for the Year Ending Sept. 30, 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.2	19	9.0	5.2	17	21	15	239	169	3.4	0.6	0.4
2....	1.2	16	6.6	8.0	20	26	14	272	148	3.4	0.6	0.1
3....	0.6	16	4.2	5.4	24	46	9.0	206	129	3.6	0.4	0
4....	0.6	19	4.2	4.5	28	29	12	176	126	24	0.2	0
5....	0.6	16	4.2	5.0	25	35	23	180	111	12	3.7	0
6....	0.8	25	4.2	5.4	46	21	52	204	96	5.4	2.4	0
7....	1.0	16	2.2	5.0	40	14	52	287	87	3.6	1.2	0
8....	1.0	19	4.2	4.6	29	18	49	341	93	3.7	0.6	0
9....	1.2	14	4.6	5.6	18	21	83	386	82	3.7	0.4	0
10....	1.2	16	5.4	5.4	17	29	115	444	70	12	0.7	0
11....	1.0	12	5.6	*5.2	19	32	115	426	62	12	0.4	0
12....	1.2	9.6	6.2	4.8	20	16	95	476	60	19	0.3	0
13....	0.6	7.4	7.4	6.0	22	18	156	521	42	19	0.2	0
14....	1.2	16	4.4	7.4	24	19	135	565	32	10	0.1	0
15....	1.5	12	5.2	6.6	28	24	120	575	26	9.0	0.1	0
16....	1.8	16	5.0	7.0	24	18	115	575	20	4.7	0.1	0
17....	1.8	16	2.2	8.0	22	23	135	540	13	3.2	0	0
18....	1.8	12	6.6	10	24	29	120	458	15	2.8	0	0
19....	2.2	12	3.4	9.6	28	21	145	395	13	3.2	0	0
20....	2.2	12	3.4	11	36	18	115	350	9.6	8.0	0	0
21....	2.2	6.6	5.0	12	40	24	100	328	6.2	5.0	0	0
22....	2.2	5.8	7.4	14	43	22	120	287	5.4	3.0	0	0
23....	3.4	6.6	3.4	16	52	32	91	256	4.2	2.8	0	0
24....	2.8	6.6	5.0	*14	29	19	130	228	4.2	3.0	0	0
25....	2.8	6.6	5.4	12	29	38	130	216	4.4	2.4	0	0
26....	2.2	6.6	5.8	5.6	24	19	150	216	4.7	1.9	0	0
27....	2.2	6.6	6.0	5.0	24	18	167	208	4.4	1.4	2.6	0
28....	2.2	6.6	4.6	8.0	29	18	200	248	5.8	1.2	1.4	0
29....	2.8	7.2	*4.9	12	24	19	226	216	5.0	1.2	0.9	0.7
30....	3.4	9.0	4.8	11	....	24	226	216	3.6	1.1	0.9	0.7
31....	3.4	....	4.5	10	....	16	....	248	....	0.7	0.7	....
Total	54.3	369.2	155.0	249.3	805	727	3215	10283	1451.5	189.4	18.5	1.9
Mean.	1.75	12.3	5.00	8.04	27.8	23.5	107	332	48.4	6.11	0.60	0.06
Max..	3.4	25	9.0	16	52	46	226	575	169	24	3.7	0.7
Min..	0.6	5.8	2.2	4.5	17	14	9.0	176	3.6	0.7	0	0
Acre-ft.	108	732	307	494	1600	1440	6380	20400	2880	376	37	3.8

Total run-off for period=34,760 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Bear Creek at Morrison, Colo., for the Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	56	40	20	....	....	10	28	64	127	201	43	20
2....	57	32	20	....	....	14	29	67	127	162	43	18
3....	60	33	21	....	....	16	31	66	117	152	44	19
4....	56	31	19	....	....	18	34	53	110	114	38	20
5....	53	37	17	....	....	18	33	44	110	82	44	19
6....	50	26	18	....	....	15	36	42	110	56	43	18
7....	42	25	21	....	....	22	40	44	110	40	43	18
8....	38	25	21	....	....	26	44	48	110	49	42	18
9....	34	27	20	....	....	20	44	47	120	62	47	18
10....	31	18	20	....	*11	20	43	52	117	49	48	17
11....	29	14	20	....	....	21	37	52	117	47	42	18
12....	28	20	20	....	....	16	37	54	114	48	37	17
13....	27	28	20	....	....	13	40	53	107	49	34	15
14....	47	26	21	....	....	18	42	50	103	52	32	14
15....	62	29	21	....	....	24	43	49	107	56	30	14
16....	114	32	21	....	....	24	44	50	103	56	24	15
17....	107	17	21	....	....	23	43	53	103	54	47	15
18....	110	26	21	....	....	17	45	60	100	52	49	14
19....	114	28	19	....	....	16	43	84	110	49	38	15
20....	84	28	20	....	....	16	41	103	117	48	32	17
21....	52	19	21	....	....	20	41	110	134	69	28	16
22....	49	22	21	*19	....	18	42	114	143	107	27	15
23....	48	20	20	....	....	15	45	117	148	77	24	15
24....	49	31	18	....	....	15	50	127	152	43	25	15
25....	54	28	17	....	....	18	49	131	162	35	26	15
26....	50	15	16	....	....	19	50	127	180	32	25	15
27....	57	17	17	....	....	18	47	117	171	30	26	15
28....	54	24	21	....	....	16	45	117	175	30	24	15
29....	50	22	20	....	....	22	47	120	180	34	23	16
30....	44	22	20	....	....	26	54	175	222	38	24	15
31....	40	....	21	....	....	19	....	139	....	37	23	....
Total	1746	762	613	496	308	573	1247	2529	3906	2010	1085	491
Mean.	56.3	25.4	19.8	16.0	11.0	18.5	41.6	81.6	130	64.8	35.0	16.4
Max..	114	40	21	....	....	26	54	175	222	201	49	20
Min..	27	14	16	....	....	10	28	42	100	30	23	14
Acre-ft.	3460	1510	1220	984	611	1140	2470	5020	7750	3990	2150	974

Total run-off for period=31,280 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Bear Creek at Morrison, Colo., for the Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	27	18	12	7.0	8.2	14	23	275	269	90	42	22
2....	28	15	14	7.6	7.6	17	18	294	251	84	40	22
3....	23	15	14	6.4	21	17	23	232	227	87	35	20
4....	20	23	14	7.0	9.4	14	33	227	216	100	34	19
5....	18	24	21	5.2	12	12	40	257	190	97	33	19
6....	18	22	14	4.0	10	11	42	350	201	84	33	18
7....	18	15	15	4.0	14	11	38	424	222	74	32	18
8....	17	13	14	6.0	14	15	36	449	196	77	28	17
9....	14	14	11	7.0	12	12	50	455	206	79	28	18
10....	13	15	9.4	6.0	10	12	44	474	227	79	28	19
11....	15	18	8.8	5.2	17	14	47	437	196	74	27	20
12....	15	22	9.4	4.6	14	15	77	449	180	84	26	20
13....	14	18	10	4.0	11	19	100	449	171	71	23	19
14....	15	18	12	5.8	10	19	95	505	162	71	22	18
15....	17	17	10	7.0	12	15	79	517	148	72	22	18
16....	17	15	8.2	8.8	8.8	15	74	486	143	79	22	16
17....	15	15	8.8	11	8.2	16	66	449	134	71	23	16
18....	15	17	12	10	7.6	18	59	337	124	69	23	16
19....	18	19	12	8.8	8.8	14	69	300	124	72	23	16
20....	15	17	10	9.4	8.2	15	62	269	131	92	25	15
21....	13	14	11	10	7.6	7.6	60	244	124	82	26	15
22....	13	19	12	11	7.6	13	60	238	117	67	26	15
23....	21	15	12	9.4	8.2	16	57	238	107	62	26	14
24....	19	14	9.0	9.4	8.8	20	67	238	103	62	34	15
25....	18	16	9.6	10	8.8	17	87	227	100	60	36	15
26....	20	8.8	9.4	11	11	14	110	222	107	56	28	15
27....	19	5.8	8.9	11	10	13	175	211	103	50	25	15
28....	19	10	8.4	11	9.4	13	232	206	103	49	23	16
29....	20	19	7.8	12	12	14	244	216	107	47	23	17
30....	20	13	9.0	13	....	16	227	263	100	45	24	17
31....	15	....	7.6	9.4	....	22	....	269	....	43	23	....
Total	549	484.6	344.3	252.0	307.2	460.6	2394	10207	4789	2225	863	520
Mean.	17.7	16.2	11.1	8.13	10.6	14.9	79.8	329	160	71.8	27.8	17.3
Max..	28	24	21	13	21	22	244	517	269	100	42	22
Min..	13	5.8	7.6	4.0	7.6	7.6	18	206	100	43	22	14
Acre-ft.	1090	961	683	500	609	914	4750	20250	9500	4410	1710	1030

Total run-off for period=46,410 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of Bear Creek at Mouth, at Sheridan Junction, Colorado, for the Year
Ending Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	15	22	15	22	22	11	8.0	4.5	124	33	14	5.4
2....	16	22	15	22	23	18	7.4	4.0	122	23	16	5.4
3....	17	22	15	21	16	19	8.0	4.0	112	15	15	5.4
4....	21	22	15	20	16	19	8.0	4.1	90	13	14	5.4
5....	21	20	15	16	16	18	8.0	4.4	80	15	16	5.0
6....	22	20	14	17	18	17	8.0	5.0	76	17	17	5.8
7....	20	20	17	19	17	17	8.0	15	71	14	19	6.6
8....	22	20	16	19	17	23	13	29	69	12	17	6.6
9....	22	21	15	19	16	26	15	41	74	67	18	7.0
10....	21	22	15	19	16	22	15	33	69	22	19	7.4
11....	20	20	15	20	13	22	15	18	80	21	19	7.8
12....	20	21	15	21	13	21	13	11	72	19	16	8.2
13....	21	19	14	22	13	18	10	9.0	54	16	16	8.2
14....	23	19	14	24	13	23	8.6	8.6	46	16	9.0	8.2
15....	28	19	15	25	13	23	8.6	8.6	28	17	8.6	8.6
16....	60	18	15	20	13	21	8.6	14	23	17	8.6	8.6
17....	67	17	15	20	13	19	8.6	16	15	17	9.0	9.0
18....	61	17	15	22	13	20	8.0	21	11	15	12	9.0
19....	33	16	14	26	13	17	7.4	34	12	14	13	8.6
20....	27	16	14	28	13	16	7.4	46	12	15	10	9.0
21....	25	16	12	32	12	18	6.8	78	7.8	17	7.0	11
22....	24	16	16	35	12	19	7.4	88	11	60	7.4	11
23....	23	16	20	29	11	17	7.4	80	8.2	46	7.0	12
24....	24	16	23	28	15	15	6.2	106	5.0	23	7.0	11
25....	25	16	24	26	15	11	5.0	127	6.2	21	6.2	9.0
26....	25	16	18	28	13	9.2	5.0	124	7.0	18	6.6	9.0
27....	25	16	19	27	12	9.2	4.0	122	7.8	16	7.0	9.0
28....	24	16	23	29	11	8.6	5.0	116	15	12	6.2	10
29....	24	16	22	28	....	8.0	5.0	106	19	10	5.4	11
30....	23	16	21	27	....	8.0	6.2	137	30	12	5.8	14
31....	22	....	23	24	....	8.0	....	127	....	10	5.8	....
Total	821	553	519	735	411	521.0	251.6	1541.2	1357	643	357.6	252.2
Mean.	26.5	18.4	16.7	23.7	14.7	16.8	8.39	49.7	45.2	20.7	11.5	8.1
Max..	67	22	24	35	23	26	15	137	124	67	19	14
Min...	15	16	12	16	11	8.0	4.0	5.0	10	5.4	5.0	5.0
Acre-ft.	1630	1100	1030	1460	815	1030	499	3060	2690	1280	709	500

Total run-off for period=15,800 acre-feet.

**Discharge of Bear Creek at Mouth, at Sheridan Junction, Colorado, for the Year
Ending Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	16	11	13	20	13	8.0	12	406	221	15	12	15
2....	18	10	13	21	13	8.0	12	457	209	14	10	14
3....	15	10	13	21	13	8.6	10	387	188	15	9.2	13
4....	12	10	13	19	13	8.6	10	340	172	16	8.6	11
5....	9.2	10	12	17	13	8.0	11	343	158	18	11	10
6....	9.2	12	12	17	12	8.0	12	340	132	19	12	8.6
7....	8.0	12	12	16	13	7.4	12	428	123	18	11	8.6
8....	8.6	11	11	19	13	7.4	11	450	127	17	9.8	8.6
9....	10	11	12	22	13	7.4	9.2	430	138	16	9.8	9.2
10....	9.2	11	11	22	12	8.0	13	456	150	17	10	8.6
11....	9.2	11	12	21	12	8.0	18	437	160	17	10	9.2
12....	9.2	11	12	20	12	7.4	40	445	155	31	11	9.2
13....	8.6	12	13	19	12	8.0	78	464	132	44	9.8	12
14....	9.2	12	15	18	12	7.4	88	492	116	34	9.2	12
15....	9.2	11	15	17	12	7.4	78	496	106	29	8.6	14
16....	11	11	15	16	11	5.6	86	472	90	26	9.8	14
17....	9.8	12	14	13	11	6.2	74	441	85	24	11	14
18....	8.6	12	13	12	12	6.8	72	381	68	20	13	14
19....	8.6	13	13	12	12	5.0	70	319	57	18	14	13
20....	8.6	15	12	11	10	4.5	70	278	49	28	10	12
21....	9.2	14	12	11	10	10	74	242	42	36	8.6	12
22....	10	13	12	10	11	25	64	227	32	49	6.8	9.8
23....	10	13	12	9.2	9.8	24	58	209	29	54	5.6	10
24....	11	12	11	9.2	9.8	21	54	203	29	54	8.6	9.8
25....	11	12	12	9.2	9.8	18	75	197	27	42	5.4	9.8
26....	11	12	11	9.8	9.2	9.2	125	191	24	30	26	10
27....	11	13	11	8.6	9.8	13	210	206	20	23	31	12
28....	11	13	12	8.6	9.2	....	360	209	17	19	24	13
29....	12	13	14	10	8.6	9.2	373	227	17	17	21	12
30....	13	13	15	10	....	8.6	317	227	17	16	19	12
31....	12	....	17	12	....	12	....	236	....	15	17	....
Total	328.4	356	395	460.6	331.2	307.7	2496.2	10636	2890	791	431.4	340.4
Mean.	10.6	11.9	12.7	14.9	11.4	9.93	83.2	343	96.3	25.5	13.9	11.3
Max..	18	15	17	22	13	25	373	496	221	54	54	15
Min...	8.0	10	11	8.6	8.6	4.5	9.2	191	17	14	5.6	8.6
Acre-ft.	651	706	783	914	657	610	4950	21100	5730	1570	856	675

Total run-off for period=39,200 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Turkey Creek Near Morrison, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.9	2.5	1.8	1.7	1.1	0.7	1.6	8.1	11	0.7	0.1	0.4
2....	0.9	2.5	1.6	0.9	1.1	0.6	1.6	8.1	3.4	1.3	0.1	0.4
3....	0.9	2.1	1.6	0.9	1.1	0.7	1.6	8.1	3.4	1.3	0.1	0.4
4....	0.9	2.1	1.6	0.9	1.1	0.9	1.8	1.8	3.0	1.3	0.1	0.4
5....	0.9	2.1	1.3	0.9	1.1	0.7	1.7	1.8	3.0	1.3	0.1	0.4
6....	0.9	1.8	1.3	1.2	1.1	0.6	2.0	1.8	3.4	1.3	0.1	0.4
7....	0.9	1.8	1.3	1.4	1.3	0.7	2.0	1.8	3.0	1.3	0.1	0.4
8....	0.9	1.8	1.3	1.4	1.1	0.7	1.7	3.2	2.7	1.3	0.2	0.4
9....	0.7	1.8	1.1	1.4	1.3	1.2	1.8	2.5	2.3	1.3	0.2	0.4
10....	0.7	1.6	1.1	1.4	1.3	1.2	1.6	2.5	2.0	1.3	0.2	0.4
11....	0.7	1.6	0.9	1.4	1.3	1.6	1.8	2.5	1.7	1.6	0.2	0.4
12....	0.7	1.6	0.8	1.4	1.2	1.6	1.6	2.9	1.7	1.6	0.2	0.4
13....	0.7	1.6	0.8	1.2	1.4	1.6	1.8	2.9	1.7	1.8	0.2	0.4
14....	2.0	1.6	0.7	1.2	1.4	0.8	1.7	2.9	1.7	1.8	0.2	0.4
15....	1.8	1.6	0.7	1.2	1.2	1.2	1.4	3.2	1.7	1.8	0.2	0.4
16....	1.8	1.6	0.7	0.5	1.4	1.2	2.0	3.6	1.7	1.8	0.2	0.4
17....	1.4	1.6	0.7	0.6	1.4	0.9	1.7	3.6	1.7	1.8	0.2	0.4
18....	6.5	1.6	0.7	0.6	1.4	1.6	1.8	3.6	1.7	1.6	0.2	0.4
19....	5.5	1.6	0.6	0.7	1.3	1.6	1.6	3.6	0.7	1.3	0.2	0.4
20....	5.0	1.8	0.6	0.7	1.3	1.6	1.8	3.6	0.7	1.3	0.2	0.4
21....	4.5	1.8	0.6	1.7	1.3	1.6	1.8	3.6	0.7	1.3	0.1	0.4
22....	4.0	4.0	0.6	1.1	0.8	2.0	1.8	4.0	0.7	0.4	0.1	0.4
23....	4.0	4.5	0.6	1.1	0.7	2.0	1.7	4.0	0.7	0.4	0.1	0.4
24....	4.0	3.6	0.6	1.3	1.1	2.0	1.7	4.0	0.7	0.4	0.1	0.4
25....	4.5	2.9	0.6	1.6	0.7	2.0	1.7	4.0	0.7	0.3	0.1	0.4
26....	5.0	2.5	0.4	1.6	0.8	2.0	1.7	4.0	0.7	0.3	0.1	0.4
27....	4.5	2.5	0.4	2.1	0.7	1.6	1.7	4.0	0.7	0.3	0.1	0.4
28....	4.0	2.1	0.4	2.1	0.8	1.6	1.7	4.0	0.7	0.3	0.1	0.4
29....	3.2	2.1	0.8	2.1	....	1.6	7.5	4.0	0.7	0.3	0.1	0.4
30....	2.9	2.1	0.8	2.1	....	1.7	8.1	12	0.7	0.3	0.1	0.4
31....	2.5	....	1.1	1.6	....	1.7	....	12	....	0.1	0.4	....
Total	122.8	64.4	28.1	40.0	31.8	41.5	64.0	131.7	59.2	33.2	4.7	12.0
Mean.	3.96	2.15	.91	1.29	1.14	1.34	2.13	4.25	1.97	1.07	.15	.40
Max..	18	4.5	1.8	2.1	1.4	2.0	8.1	12	11	1.8	0.4	0.4
Min..	0.7	1.6	0.4	0.5	0.7	0.6	1.4	1.8	0.7	0.1	0.1	0.4
Acre-ft.	244	128	56	79	63	82	127	261	117	66	93	24

Total run-off for period=1,260 acre-feet.

Discharge of Turkey Creek Near Morrison, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.4	0.2	0.4	0.7	0.4	2.1	1.4	146	8.7	....	0.1	0.4
2....	0.4	0.2	0.4	0.7	0.5	0.8	1.4	92	8.7	....	0.1	0.4
3....	0.4	0.3	0.4	0.7	0.5	0.8	1.4	110	8.7	....	0.1	0.4
4....	0.4	0.3	0.4	0.7	0.5	0.8	1.6	128	8.7	....	0.1	0.4
5....	0.4	0.2	0.4	0.5	0.5	0.8	1.6	146	8.7	....	0.1	0.4
6....	0.4	0.2	0.6	0.5	0.5	0.8	1.6	164	8.7	....	0.1	0.4
7....	0.4	0.4	0.6	0.4	0.5	0.8	1.6	128	6.0	....	0.2	0.4
8....	0.4	0.4	0.7	0.4	0.5	0.8	1.6	110	6.0	....	0.2	0.4
9....	0.4	0.4	0.7	0.1	0.5	0.7	3.0	128	6.0	0.5	0.4	0.4
10....	0.4	0.4	0.7	0.1	0.4	0.7	5.5	146	6.0	0.5	0.5	0.4
11....	0.3	0.4	0.7	0.1	0.4	0.7	7.1	146	3.8	0.5	0.5	0.4
12....	0.3	0.4	0.5	0.1	0.4	0.7	7.1	164	3.6	0.6	0.5	0.4
13....	0.3	0.4	0.5	0.1	0.7	0.7	7.1	164	3.6	0.6	0.5	0.2
14....	0.3	0.3	0.6	0.1	0.7	0.7	8.4	164	3.2	0.6	0.5	0.2
15....	0.3	0.3	0.6	0.1	0.7	0.7	8.4	146	2.9	0.4	0.5	0.2
16....	0.2	0.3	0.6	0.1	0.7	0.7	9.4	146	2.9	0.6	0.5	0.2
17....	0.2	0.3	0.6	0.1	0.9	0.7	9.4	128	2.5	0.7	0.5	0.2
18....	0.2	0.3	0.6	0.4	0.9	0.8	9.4	128	1.8	0.7	0.5	0.2
19....	0.2	0.3	0.6	0.4	0.9	0.8	9.4	110	1.6	0.7	0.5	0.2
20....	0.2	0.3	0.6	0.4	0.9	0.8	9.4	90	1.3	0.7	0.5	0.2
21....	0.2	0.4	0.6	0.4	0.7	0.8	9.7	53	0.8	0.7	0.5	0.2
22....	0.3	0.4	0.7	0.4	0.9	0.8	9.7	40	0.7	0.7	0.4	0.2
23....	0.3	0.4	0.7	0.4	0.9	0.7	10	40	0.4	0.4	0.4	0.2
24....	0.3	0.4	0.7	0.4	0.9	0.7	13	31	0.2	0.4	0.4	0.2
25....	0.3	0.4	0.7	0.4	0.9	0.7	25	23	0.1	0.4	0.4	0.2
26....	0.3	0.4	0.7	0.4	0.7	1.1	38	12	0.1	0.4	0.4	0.2
27....	0.3	0.4	0.7	0.4	1.4	1.3	101	8.7	0.1	0.4	0.4	0.2
28....	0.2	0.4	0.7	0.4	2.0	1.1	164	12	0	0.4	0.4	0.2
29....	0.2	0.4	0.7	0.4	2.0	1.4	164	12	0	0.4	0.4	0.2
30....	0.2	0.4	0.7	0.4	....	1.4	164	12	0	0.2	0.4	0.2
31....	0.2	....	0.7	0.4	....	1.4	....	12	....	1.1	0.4	....
Total	9.3	10.3	18.8	11.1	22.4	27.8	804.2	2939.7	1058.8	11.6	11.4	8.4
Mean.	0.30	0.34	0.61	0.36	0.77	0.90	26.8	94.8	3.53	0.37	0.37	0.28
Max..	0.4	0.4	0.7	0.7	2.0	2.1	164	164	8.7	0.7	0.5	0.4
Min..	0.2	0.2	0.4	0.1	0.4	0.7	1.4	8.7	0	0	0.1	0.2
Acre-ft.	18	20	37	22	44	55	1600	5830	210	23	23	17

Total run-off for period=7,900 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Cherry Creek Near Franktown, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	5.0	13	5.0	13	7.0	5.5	13	3.4	5.5	7.0	0.9	2.0
2....	5.5	9.6	5.6	11	8.0	3.6	12	2.8	6.5	4.2	1.5	2.5
3....	5.5	9.6	4.8	10	7.4	4.6	12	3.8	5.5	2.8	1.8	1.5
4....	5.5	8.3	4.2	10	9.6	5.0	13	3.8	3.4	3.4	2.0	1.5
5....	4.2	7.6	3.8	9.0	9.6	4.6	11	3.8	2.5	2.8	2.0	1.5
6....	4.6	8.3	4.4	8.8	11	4.0	11	4.2	1.8	1.8	1.5	1.3
7....	5.5	7.6	6.0	8.4	12	7.0	16	6.0	2.5	2.2	1.5	1.3
8....	4.6	6.5	7.0	8.8	15	11	32	12	3.4	2.0	1.5	1.3
9....	5.0	7.0	8.6	10	*13	17	22	14	3.0	7.6	1.6	1.3
10....	4.2	6.5	9.6	15	10	17	18	16	12	5.0	1.6	1.1
11....	4.2	9.6	*11	13	10	14	14	14	9.0	3.4	1.5	1.1
12....	4.6	9.0	12	*14	11	14	12	12	4.2	2.0	1.5	1.1
13....	3.8	10	13	15	13	13	11	12	3.8	1.5	1.5	1.1
14....	3.8	13	12	17	14	12	11	11	3.4	1.8	1.5	1.1
15....	13	12	13	18	12	13	9.6	9.0	2.2	1.8	1.5	1.3
16....	37	11	14	14	12	7.6	10	12	2.2	2.2	1.5	1.3
17....	59	6.0	15	9.0	13	9.6	11	12	2.0	2.0	1.5	1.3
18....	40	8.3	13	6.0	13	6.5	10	20	2.0	82	1.8	1.3
19....	20	9.6	14	7.0	13	7.0	7.6	28	2.0	46	1.8	1.3
20....	16	7.6	13	8.6	13	7.0	7.6	18	2.0	4.6	1.8	1.3
21....	11	3.8	12	11	10	12	6.5	28	2.0	3.8	1.8	1.3
22....	13	5.0	12	12	12	13	8.3	20	1.6	3.4	2.2	1.5
23....	14	14	12	11	10	13	6.0	14	1.6	2.8	2.5	1.3
24....	9.0	14	11	8.6	7.0	11	6.5	10	1.5	2.5	2.8	1.5
25....	13	14	9.0	7.0	10	12	6.5	12	1.3	2.0	2.2	1.5
26....	12	9.0	8.0	*6.5	11	12	3.8	9.0	1.1	1.6	1.6	1.5
27....	13	10	9.0	6.8	8.3	10	4.2	8.3	1.1	1.5	3.8	1.5
28....	14	14	10	7.0	9.6	8.3	4.2	6.5	69	1.1	2.5	1.5
29....	11	10	10	7.4	....	10	4.2	7.6	22	1.0	2.5	1.5
30....	9.6	8.0	*12	7.0	....	13	3.4	16	10	0.9	2.2	1.5
31....	9.6	....	12	6.6	....	11	....	12	....	0.9	2.2	....
Total	380.2	281.9	306.0	316.5	304.5	308.3	317.4	361.2	217.1	177.6	58.1	42.1
Mean.	12.3	9.39	9.87	10.2	10.9	9.95	10.6	11.7	7.24	5.73	1.87	1.40
Max.	59	14	15	18	15	17	32	28	69	82	3.8	2.5
Min.	3.8	3.8	3.8	6.0	7.0	3.6	3.4	2.8	1.1	0.9	0.9	1.1
Acre-ft.	754	559	607	628	604	612	630	716	431	352	115	83.5

Total run-off for period=6,090 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Cherry Creek Near Franktown, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.5	4.2	7.0	4.0	3.1	16	23	29	23	1.4	1.6	1.7
2....	1.1	4.2	9.0	6.0	3.1	40	22	32	14	1.7	0.9	1.3
3....	1.1	3.8	4.2	5.0	3.4	23	25	29	12	1.7	0.8	0.9
4....	1.1	3.8	4.6	4.2	4.2	11	53	34	12	2.4	0.6	1.1
5....	1.1	5.5	4.6	6.0	25	11	83	29	11	2.9	2.2	1.7
6....	1.1	5.5	10	5.0	35	5.0	75	27	11	2.4	6.6	1.6
7....	1.1	1.1	6.5	5.0	48	4.6	33	23	12	1.7	3.4	1.3
8....	1.3	1.3	9.6	5.6	30	5.5	24	27	14	1.6	1.7	1.4
9....	1.3	2.5	1.5	5.6	18	7.6	26	26	12	1.4	0.8	1.6
10....	1.3	3.1	2.5	4.6	3.0	14	19	23	10	1.4	1.7	1.7
11....	1.3	4.6	2.8	*4.0	2.5	10	24	21	9.5	48	1.6	1.7
12....	1.5	9.0	2.2	4.6	3.2	7.6	72	19	7.6	132	0.9	1.7
13....	1.5	11	3.4	5.8	7.0	9.0	124	19	6.2	16	0.8	1.7
14....	1.8	9.6	4.6	5.0	11	7.6	93	19	4.4	9.0	0.8	1.7
15....	2.2	7.0	5.0	4.6	10	6.5	78	19	3.6	9.5	0.9	1.4
16....	2.0	6.0	5.5	5.0	12	7.6	65	19	2.6	7.3	1.1	1.4
17....	2.0	6.0	28	6.0	14	7.0	39	16	2.2	5.8	0.9	1.3
18....	2.2	6.0	20	6.5	17	8.3	45	14	1.9	8.0	0.6	1.1
19....	2.5	7.0	9.0	6.0	20	7.0	49	12	1.9	47	0.6	1.3
20....	2.5	7.0	13	5.5	27	13	38	11	1.7	19	0.6	1.3
21....	2.8	6.5	16	7.6	28	5.5	47	14	1.6	10	0.8	1.4
22....	2.8	6.0	12	7.6	23	5.5	44	16	1.3	5.8	0.9	1.4
23....	3.1	5.5	16	8.3	28	13	34	13	1.4	4.4	0.9	1.4
24....	3.4	4.6	3.8	14	22	9.6	61	13	1.4	6.2	3.4	1.6
25....	3.4	8.3	6.0	14	13	11	67	14	1.6	6.9	1.6	1.7
26....	3.1	2.5	6.0	13	14	7.6	83	19	2.2	5.1	2.6	1.7
27....	3.4	1.5	4.2	8.3	22	9.6	63	24	1.4	4.4	5.1	1.6
28....	3.1	1.6	4.6	4.5	17	8.3	53	55	1.6	3.4	3.2	1.6
29....	3.4	2.8	*3.4	3.0	19	11	59	22	1.1	2.9	1.9	1.6
30....	4.2	6.5	4.0	3.6	....	13	42	36	1.4	2.6	2.6	1.6
31....	3.8	....	4.6	2.8	....	16	....	74	....	2.2	2.4	....
Total	68.0	154.0	233.6	190.7	482.5	331.4	1563	748	187.6	374.1	54.5	44.5
Mean.	2.19	5.13	7.54	6.15	16.6	10.7	52.1	24.1	6.25	12.1	1.76	1.48
Max.	4.2	11	28	14	48	40	124	74	23	132	6.6	1.7
Min.	1.1	1.1	1.5	2.8	2.5	4.6	19	11	1.1	1.4	0.6	0.9
Acre-ft.	135	305	463	378	957	657	3100	1480	372	742	108	88

Total run-off for period=8,780 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Cherry Creek Near Melvin, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	14	10	3.6	15	12	2.6	15	7.8	6.8	12	0	0.1
2....	10	7.8	4.0	13	22	0.4	11	6.8	10	5.3	0	0.1
3....	10	11	2.8	10	15	1.4	10	6.8	12	3.2	0	0.1
4....	10	6.8	3.4	5.4	17	6.0	5.3	7.8	14	3.8	244	0.1
5....	12	8.9	2.6	5.8	20	5.3	7.8	7.8	10	3.8	42	0.1
6....	7.8	8.9	3.0	5.0	31	2.0	7.8	6.8	7.8	0.5	15	0.1
7....	6.8	6.8	4.0	4.6	47	6.8	15	17	6.0	0.5	12	0.1
8....	6.8	7.8	7.0	4.4	35	10	41	24	5.3	90	9.0	0.1
9....	5.3	6.0	13	8.0	22	6.0	41	22	15	1.4	5.0	0.1
10....	5.3	5.3	13	13	13	4.6	22	17	21	0.7	4.1	0
11....	11	5.3	*16	9.0	23	6.8	11	15	11	0.7	1.9	0
12....	5.3	11	17	*9.5	31	6.8	18	3.8	11	0.7	0.5	0
13....	6.8	15	19	11	33	17	15	5.3	8.9	0.5	0.5	0
14....	15	17	17	14	26	12	12	8.9	7.8	0.5	0.3	0
15....	24	15	16	17	14	10	11	6.0	6.0	0.5	0.1	0
16....	53	20	20	6.0	13	2.6	7.8	4.6	3.8	0.5	0.3	0
17....	62	18	22	3.0	17	4.6	10	6.0	2.0	0.5	0.5	0
18....	65	24	17	2.0	29	2.0	12	14	1.4	3.2	0.5	0
19....	65	29	18	3.3	21	3.8	18	15	1.0	17	0.3	0
20....	59	22	17	5.4	14	6.0	14	24	0.4	4.6	0.1	0
21....	50	8.9	15	26	11	12	11	24	0.4	3.2	0.1	0
22....	50	6.8	16	50	5.3	11	10	31	0.4	4.6	0.1	0
23....	62	7.8	14	36	7.8	18	10	24	0.4	2.0	0.1	0
24....	35	17	13	20	3.8	14	8.9	24	0.4	0.4	0.3	0
25....	28	22	10	3.2	6.8	10	12	15	0.4	0.1	0.2	0
26....	18	18	8.0	*3.0	10	17	11	15	0.3	0	0.2	0
27....	14	29	8.6	3.8	8.9	12	7.8	17	0.3	0	0.2	0
28....	12	20	13	4.4	4.6	15	6.8	15	5.2	0	0.1	0
29....	17	26	12	4.0	....	12	7.8	14	51	0	0.1	0
30....	12	12	*13	4.6	....	10	6.8	14	20	0	0.1	0
31....	12	....	14	4.4	....	14	....	14	....	0	0.1	0
Total	764.1	423.1	377.0	323.8	523.2	261.7	396.8	433.4	240.0	160.2	337.7	0.9
Mean.	24.6	14.1	12.2	10.4	18.7	8.44	13.2	14.0	8.00	5.17	10.9	.63
Max..	65	29	22	50	47	18	41	31	51	90	244	0.1
Min..	5.3	5.3	2.6	2.0	3.8	0.4	5.3	3.8	0.3	0	0	0
Acre-ft.	1520	839	748	642	1040	519	787	860	476	318	670	1.8

Total run-off for period=8,420 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Cherry Creek Near Melvin, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0	1.9	2.6	4.6	7.0	51	37	42	13	0	1.0	0.3
2....	0	0.5	4.1	5.8	13	44	17	62	4.0	0	1.5	0.3
3....	0	0.1	5.0	5.2	25	73	25	69	2.2	1.0	1.5	0.3
4....	0	1.9	10	4.0	54	34	44	39	3.1	0.6	1.5	0.6
5....	0	1.9	3.4	5.0	50	13	48	42	4.0	0.2	2.2	0.6
6....	0	2.6	6.0	4.4	66	4.0	42	32	7.4	0	2.2	0.6
7....	0	4.1	5.0	3.8	66	4.0	42	37	8.8	0	1.5	0.6
8....	0	4.1	5.0	4.5	62	7.4	32	27	10	0.6	1.0	0.6
9....	0	4.1	0	5.2	42	13	34	32	7.4	139	1.0	0.6
10....	0	8.0	1.9	5.4	22	12	55	19	7.4	17	1.0	0.6
11....	0	9.0	17	*5.0	17	16	32	22	7.4	25	0.6	0.6
12....	0	10	3.4	5.8	22	10	27	20	6.0	208	0.6	0.6
13....	0	11	1.4	6.8	25	12	80	17	2.2	51	0.1	0.6
14....	0	12	1.2	6.2	26	12	69	14	2.2	20	0.1	0.6
15....	0	13	1.5	8.0	23	13	42	14	4.0	55	0.1	0.6
16....	0	13	1.7	12	38	13	48	12	1.0	8.8	0.1	0.6
17....	0	13	1.9	18	30	19	13	17	0.3	5.0	0.1	0.3
18....	0	11	1.8	22	42	14	27	14	0	12	0.1	0.3
19....	0	13	1.2	17	60	7.4	34	8.8	0	87	0.1	0.6
20....	0	13	1.7	12	80	25	42	10	0	55	0.1	0.1
21....	0.5	12	1.5	16	87	16	62	19	0	25	0.1	0
22....	0.5	11	2.2	14	48	17	48	13	0	14	0.1	0
23....	0.3	11	2.2	17	27	39	62	13	0.3	12	0.1	0
24....	0.5	14	1.5	7.4	48	19	129	7.4	0.1	13	0.1	0
25....	0.5	8.0	2.2	3.1	55	19	174	5.0	0.1	13	0.1	0
26....	0.5	*1.0	0	2.5	32	22	143	13	0	6.0	0.1	0
27....	0.9	2.2	1.5	2.9	17	19	87	22	0	3.1	0.1	0
28....	1.9	1.8	3.5	2.3	32	18	44	51	0	1.5	0.1	0
29....	1.4	2.4	*3.7	2.1	25	17	34	39	0.1	0.6	0.1	0
30....	1.4	2.6	3.5	2.9	....	14	30	22	0	1.0	0.1	0
31....	0.5	....	4.0	3.5	....	37	....	58	....	0.6	0.3	....
Total	8.9	213.2	101.6	234.4	1141.0	633.8	1603	812.2	91.0	775.0	17.7	10.0
Mean.	.29	7.11	3.28	7.56	39.3	20.4	53.4	26.2	3.03	25.0	57	.33
Max..	1.9	14	17	22	87	73	174	69	13	208	2.2	0.6
Min..	0	0.1	0	2.1	7.0	4.0	13	5.0	0	0	0.1	0
Acre-ft.	18	423	202	465	2260	1260	3180	1610	180	1540	35	20

Total run-off for period=11,190 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Cherry Creek at Denver, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	5.0	18	3.0	35	37	2.5	15	6.8	18	19	11	4.5
2....	5.0	16	16	19	28	2.0	12	5.5	11	18	16	4.0
3....	4.0	15	21	19	19	12	9.6	5.5	16	15	11	3.5
4....	4.5	15	28	12	15	20	6.8	5.0	26	11	16	4.5
5....	5.5	15	15	15	26	18	6.8	4.5	26	8.2	240	5.5
6....	5.5	24	11	14	30	11	4.5	3.5	26	24	9.6	5.5
7....	8.2	19	15	11	26	57	26	11	19	5.5	9.6	5.5
8....	16	19	21	21	14	57	21	45	15	6.8	12	4.5
9....	21	16	14	21	12	54	45	40	40	11	14	4.5
10....	19	11	11	37	9.0	45	35	40	72	8.2	12	3.5
11....	19	12	5.5	35	15	33	35	8.2	63	6.8	12	4.0
12....	28	14	9.6	30	26	33	18	11	60	8.2	15	4.5
13....	40	26	8.2	21	19	24	21	19	84	11	12	5.5
14....	60	21	11	35	16	28	15	21	28	9.6	14	5.0
15....	142	28	21	42	14	24	16	57	16	8.2	14	4.5
16....	134	24	28	12	16	11	18	30	24	8.2	21	5.0
17....	129	16	19	12	19	4.5	11	51	16	8.2	40	4.5
18....	66	28	19	4.0	28	9.6	21	100	16	8.2	9.6	5.5
19....	16	24	16	6.0	19	16	24	66	16	8.2	12	4.5
20....	12	19	11	15	14	14	19	33	19	5.0	11	4.5
21....	14	12	24	30	28	18	16	21	26	5.0	4.0	5.5
22....	54	5.5	14	72	18	15	16	80	19	5.0	3.0	5.5
23....	26	6.8	16	116	12	14	11	63	15	9.6	3.5	14
24....	19	28	11	40	19	8.2	14	54	15	9.6	4.0	11
25....	15	28	12	51	14	6.8	3.5	33	15	9.6	5.0	11
26....	26	3.5	10	14	14	21	3.5	19	15	11	4.5	8.2
27....	18	18	19	14	19	12	4.5	8.2	15	8.2	8.2	8.2
28....	15	24	19	16	19	14	8.2	9.6	26	9.6	6.8	3.5
29....	15	21	30	48	....	14	5.5	37	48	11	4.5	8.2
30....	15	66	12	12	....	12	8.2	28	26	14	30	3.5
31....	12	....	18	24	....	12	....	28	....	14	2.5	....
Total	968.7	592.8	488.3	853.0	545.0	622.6	470.1	943.8	831	314.9	587.8	171.6
Mean.	31.2	19.8	15.8	27.5	19.5	20.1	15.7	30.4	27.7	10.2	19.0	5.72
Max..	142	66	30	116	37	57	45	100	84	24	240	14
Min..	4.0	3.5	3.0	4.0	9.0	2.0	3.5	3.5	11	5.0	9.5	3.5
Acre-ft.	1920	1180	969	1690	1080	1230	932	1870	1650	625	1170	340

Total run-off for period=14,660 acre-feet.

Discharge of Cherry Creek at Denver, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.5	14	12	1.5	40	20	54	78	225	14	2.1	6.4
2....	2.0	24	14	4.0	45	32	21	158	210	16	1.5	3.5
3....	1.5	16	14	2.5	40	54	12	117	158	23	4.2	2.1
4....	1.0	21	15	1.0	12	46	20	104	148	25	5.6	4.2
5....	3.5	16	10	1.5	104	16	42	86	140	12	4.2	3.5
6....	4.5	14	8.2	1.4	27	0.8	46	86	171	11	3.5	6.4
7....	5.5	21	11	1.0	112	2.8	42	86	185	5.6	2.8	9.0
8....	9.6	21	11	1.0	66	3.5	21	108	180	16	7.2	11
9....	15	18	14	1.5	36	7.2	54	148	162	488	7.2	8.1
10....	12	18	18	1.3	18	7.2	23	104	200	42	4.9	7.2
11....	9.6	19	11	1.2	10	6.4	70	94	190	16	4.9	5.6
12....	14	19	5.5	2.0	12	6.4	54	99	195	162	5.6	5.6
13....	9.6	19	6.8	6.0	14	6.4	180	82	171	112	4.8	5.6
14....	8.2	19	6.8	25	13	11	158	65	112	90	4.1	4.9
15....	11	11	8.2	18	11	15	117	46	74	144	3.3	6.4
16....	8.2	11	9.6	24	19	15	130	39	135	74	2.6	4.9
17....	8.2	12	11	30	13	25	104	58	166	36	1.8	6.4
18....	8.2	15	9.6	26	14	20	86	50	117	10	1.0	10
19....	5.5	14	7.0	18	15	14	126	32	94	29	1.0	3.5
20....	9.6	12	4.0	12	21	14	90	38	104	54	2.1	2.8
21....	9.6	12	5.5	9.6	15	5.6	62	50	90	54	1.5	2.0
22....	5.5	12	5.5	9.6	46	27	74	58	112	54	0.9	1.2
23....	8.2	10	1.0	76	25	10	58	90	58	54	1.4	5.6
24....	5.5	14	1.5	28	34	16	58	99	23	50	4.9	8.1
25....	5.5	9.0	1.5	35	25	34	140	74	20	50	4.9	4.9
26....	8.2	8.2	1.3	33	32	29	176	78	29	34	14	6.4
27....	9.6	5.5	3.0	30	50	21	86	230	14	39	23	11
28....	5.5	6.8	3.0	33	21	12	47	275	14	3.5	15	11
29....	8.2	11	2.5	24	23	27	130	245	14	1.0	8.1	8.1
30....	11	9.6	1.0	37	....	25	99	225	14	1.2	7.2	8.1
31....	12	....	1.0	37	....	18	....	250	....	4.9	14	....
Total	237.0	432.1	233.5	531.1	913	547.3	2380	3352	3525	1725.2	169.3	183.5
Mean.	7.65	14.4	7.53	17.1	31.5	17.7	79.3	108	118	55.7	5.46	6.12
Max..	15	24	18	76	112	54	180	275	225	488	23	11
Min..	1.0	5.5	1.0	1.0	10	0.8	12	32	14	10	0.9	1.2
Acre-ft.	470	857	463	1050	1810	1090	4720	6650	6990	3420	336	364

Total run-off for period=28,220 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Clear Creek Near Golden, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	68	75	69	52	40	49	82	384	740	876	341	160
2....	75	99	74	51	49	28	85	433	800	800	325	162
3....	73	81	69	41	46	32	85	446	729	745	314	156
4....	71	85	64	39	32	98	86	491	657	687	291	151
5....	67	90	64	44	19	92	87	456	638	634	291	143
6....	67	90	63	44	61	108	90	436	662	612	294	138
7....	65	90	58	44	49	103	96	405	707	581	276	134
8....	56	81	53	44	67	158	111	408	778	643	288	131
9....	59	81	53	44	64	111	105	376	864	612	286	127
10....	58	84	53	49	53	95	92	364	928	567	271	124
11....	65	79	58	51	46	89	84	350	902	543	261	120
12....	70	89	63	54	56	82	92	353	817	516	249	116
13....	71	89	65	56	51	66	106	355	778	494	237	113
14....	79	89	65	56	56	70	109	367	751	473	227	108
15....	90	95	63	56	51	64	116	367	756	449	220	106
16....	200	*95	63	46	51	42	134	350	713	436	242	103
17....	160	95	58	41	66	92	136	344	729	439	266	100
18....	90	95	*58	47	67	103	127	364	789	433	266	105
19....	90	95	58	54	63	54	122	364	800	414	249	115
20....	83	95	59	74	56	66	131	381	829	376	237	116
21....	86	72	59	*76	54	90	147	399	902	417	225	106
22....	79	74	54	66	49	93	153	387	928	405	220	101
23....	76	74	54	49	41	61	158	399	961	411	209	100
24....	70	79	54	45	53	49	198	456	890	367	216	98
25....	73	84	59	38	68	61	214	452	942	350	209	93
26....	79	84	54	46	60	61	234	484	954	328	189	90
27....	81	84	50	63	51	70	230	501	935	314	181	90
28....	83	84	54	58	53	67	244	581	954	328	166	89
29....	73	84	54	46	....	93	304	729	942	328	160	100
30....	65	84	52	51	....	90	317	811	974	330	168	103
31....	76	....	50	53	....	90	....	762	....	347	166	....
Total	2498	2575	1824	1578	1472	2427	4275	13755	24749	15255	7540	3498
Mean	80.6	85.8	58.8	50.9	52.6	78.3	142	444	825	492	243	117
Max..	200	99	74	76	68	158	317	811	974	876	341	162
Min..	56	72	50	38	19	28	82	344	638	314	160	89
Ac.-ft.	4950	5110	3620	3130	2920	4810	8480	27280	49090	30260	14960	6940

Total run-off for period=161,550 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Clear Creek Near Golden, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	103	51	64	42	44	38	49	209	1100	813	233	120
2....	95	41	56	45	44	43	39	238	1130	802	224	116
3....	90	44	43	38	39	48	50	198	1140	830	209	109
4....	87	43	59	36	42	42	59	183	1040	796	193	108
5....	74	43	60	35	46	48	68	185	896	842	187	103
6....	59	39	68	33	46	33	72	236	942	802	183	101
7....	56	33	62	35	47	32	63	313	903	741	174	98
8....	53	38	62	38	43	42	64	334	842	695	164	94
9....	54	72	51	36	39	44	90	347	968	675	157	92
10....	55	58	37	38	30	58	54	392	1160	665	162	88
11....	52	42	38	36	23	50	77	375	1090	655	139	87
12....	48	33	47	44	29	46	111	416	1020	601	135	86
13....	51	31	69	42	34	55	133	476	1000	561	129	82
14....	51	31	69	42	31	52	125	557	988	528	129	80
15....	51	30	66	44	32	44	115	625	968	488	131	77
16....	56	30	65	42	31	46	116	705	1020	469	131	75
17....	64	39	63	48	31	54	105	752	981	431	127	75
18....	65	58	63	46	27	50	91	582	922	406	124	75
19....	63	56	80	47	26	39	101	528	948	388	137	71
20....	53	56	59	50	29	48	94	524	1000	402	133	64
21....	38	54	54	51	30	37	92	528	1010	395	125	54
22....	60	57	57	49	29	44	97	561	1010	347	120	53
23....	58	55	43	48	29	57	91	695	948	322	115	49
24....	53	54	45	49	32	55	101	736	955	316	253	54
25....	55	56	59	47	36	48	133	757	968	334	216	62
26....	54	44	55	41	35	51	129	705	968	296	168	63
27....	54	42	45	45	31	43	162	655	916	274	155	63
28....	54	54	31	38	33	44	183	601	860	266	143	63
29....	54	54	38	40	33	44	200	731	872	266	129	65
30....	52	53	36	34	....	48	198	1000	848	263	125	64
31....	50	....	44	38	....	55	....	1070	....	250	124	....
Total	1866	1394	1670	1295	1001	1438	3062	16214	29413	15919	4874	2391
Mean	60.2	46.5	53.9	41.8	34.5	46.4	102	523	980	514	157	79.7
Max..	103	72	80	51	47	58	200	1070	1160	842	253	120
Min..	38	30	31	33	23	32	39	183	842	250	115	49
Ac.-ft.	3700	2760	3310	2570	1990	2850	6070	32160	58340	31570	9670	4740

Total run-off for period=159,700 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Clear Creek at Mouth Near Derby, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	2.0	36	31	39	40	15	71	17	446	433	42	12
2....	2.3	34	37	36	39	10	44	50	406	268	31	12
3....	2.2	36	28	33	30	11	44	66	241	286	29	13
4....	2.6	36	25	31	21	14	42	53	116	241	26	12
5....	1.9	35	25	29	25	15	38	43	106	198	29	9.4
6....	1.8	34	29	29	23	16	40	27	213	156	29	9.4
7....	1.8	32	29	30	23	18	51	20	196	98	27	9.4
8....	1.4	31	31	30	23	20	110	75	260	176	21	9.4
9....	1.5	35	45	33	26	9.5	84	103	350	338	20	8.8
10....	2.2	32	48	28	28	4.5	65	49	504	207	17	7.6
11....	2.2	25	49	29	29	0.4	57	52	477	196	14	6.6
12....	1.4	29	50	31	29	5.0	46	55	429	182	11	5.8
13....	7.0	32	65	25	25	21	29	50	368	283	12	5.8
14....	17	35	81	29	28	21	24	52	308	270	12	5.2
15....	90	35	87	37	22	19	25	116	316	172	11	5.2
16....	255	30	81	34	23	18	25	161	313	158	11	5.8
17....	184	29	47	32	24	17	25	158	289	136	44	6.0
18....	110	30	58	31	25	16	29	234	224	123	42	6.6
19....	70	29	69	31	24	19	33	273	222	97	21	7.3
20....	50	29	53	32	23	17	28	190	281	88	13	9.7
21....	43	32	43	33	22	19	27	182	439	111	12	11
22....	40	37	45	35	21	17	36	158	477	106	11	8.5
23....	58	44	51	37	19	21	38	101	470	112	10	8.2
24....	84	47	52	40	17	53	49	136	439	55	7.9	9.4
25....	81	39	54	32	18	54	30	126	377	48	8.2	9.1
26....	86	30	52	36	19	62	17	101	381	36	9.1	8.2
27....	91	29	45	38	20	66	15	93	387	32	11	9.1
28....	70	33	50	40	21	58	20	91	436	19	11	8.5
29....	49	31	55	40	....	75	27	180	387	24	11	8.8
30....	36	32	49	41	....	85	21	555	484	28	12	11
31....	35	....	41	40	....	75	....	531	....	42	12	....
Total	1479.3	998	1505	1041	687	8714	1190	4098	10342	4719	5772	258.8
Mean.	47.7	33.3	48.5	33.6	24.5	28.1	39.7	132	345	152	18.6	8.63
Max..	255	47	87	41	40	85	110	555	504	433	44	13
Min..	1.4	25	25	25	17	0.4	15	17	106	19	7.9	5.2
Acre-ft.	2930	1980	2990	2060	1360	1730	2360	8130	20510	9360	1140	513

Total run-off for period=55,060 acre-feet.

Discharge of Clear Creek at Mouth Near Derby, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	10	9.2	72	11	24	18	37	21	558	405	17	7.2
2....	7.7	12	84	13	26	18	32	50	595	374	18	7.6
3....	5.3	12	84	14	27	20	29	58	551	401	25	7.2
4....	4.6	7.7	72	10	24	20	27	45	520	405	25	6.0
5....	4.0	4.2	68	8.0	22	20	26	30	456	405	24	4.4
6....	4.0	5.3	75	10	21	16	26	18	439	318	21	2.8
7....	4.2	4.6	74	14	22	16	24	18	517	133	19	1.8
8....	4.4	4.0	46	14	20	16	24	40	580	40	16	2.0
9....	4.4	4.4	26	18	19	17	30	138	598	34	17	2.0
10....	4.2	4.0	24	17	16	18	42	174	745	36	19	1.8
11....	4.8	3.4	21	17	18	16	55	229	719	82	18	2.4
12....	5.9	3.2	18	17	25	16	82	264	624	58	17	4.0
13....	5.9	3.2	18	18	24	17	76	272	548	33	15	3.6
14....	4.2	3.0	17	18	26	17	78	365	527	37	15	2.0
15....	5.0	3.2	13	19	20	18	65	452	493	15	15	2.8
16....	5.6	3.2	12	18	21	18	58	541	530	15	13	3.6
17....	5.3	6.5	9.8	18	13	18	62	573	562	14	11	3.6
18....	5.3	8.9	14	16	19	20	69	524	510	14	10	2.4
19....	4.8	3.8	14	15	16	20	84	418	507	70	13	2.8
20....	4.8	3.4	14	*16	20	22	66	374	541	230	14	3.2
21....	7.1	7.1	14	16	16	13	50	213	544	180	11	3.6
22....	7.1	13	14	15	16	19	48	149	527	97	10	4.0
23....	8.0	13	12	15	16	26	40	244	466	89	9.6	3.2
24....	7.4	14	12	14	16	33	35	315	435	82	12	2.8
25....	6.8	22	11	14	19	32	36	196	459	58	24	3.2
26....	6.2	31	8.2	14	18	30	50	172	456	40	27	3.6
27....	6.5	56	7.5	14	20	28	41	158	422	32	30	4.4
28....	6.5	57	8.8	17	19	29	38	215	442	25	8.8	5.2
29....	6.5	60	12	*19	18	26	34	227	450	19	10	5.2
30....	5.9	60	12	20	....	29	25	388	430	22	10	6.0
31....	4.8	....	12	23	....	40	....	517	....	18	8.4	....
Total	177.2	442.3	899.3	482	581	666	1380	7398	15751	3781	502.8	114.4
Mean.	5.72	14.7	29.0	15.5	20.0	21.5	46.3	239	525	122	16.2	3.81
Max..	10	60	84	23	27	40	84	573	745	405	30	7.6
Min..	4.0	3	7.5	8	13	13	24	18	422	14	8.4	1.8
Acre-ft.	351	877	1780	956	1150	1320	2760	14670	31240	7500	997	228

Total run-off for period=63,840 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of West Fork of Clear Creek Above Empire, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	13	11	6.8	5.8	4.1	4.6	6.8	74	175	271	89	38
2....	13	11	7.6	5.5	4.1	4.4	9.6	85	192	247	94	36
3....	13	10	7.6	5.5	4.1	4.8	11	97	175	217	87	34
4....	13	10	7.6	5.5	4.0	5.3	12	104	164	195	94	34
5....	13	8.4	6.8	5.5	4.1	5.3	14	87	159	181	92	32
6....	13	10	6.8	5.0	4.1	5.2	15	79	167	172	79	32
7....	12	10	6.8	4.8	4.1	5.0	17	68	195	200	72	29
8....	12	9.2	6.4	4.8	4.1	4.8	15	64	220	241	74	27
9....	11	9.6	6.8	4.8	4.1	4.8	12	59	274	223	70	27
10....	10	6.0	6.8	4.8	4.0	4.6	14	59	280	217	66	26
11....	10	6.0	6.8	4.6	4.3	4.6	11	58	259	200	63	25
12....	10	8.0	6.8	4.1	4.3	4.3	11	52	235	195	58	25
13....	14	8.0	6.8	4.3	4.1	4.1	15	56	223	184	58	23
14....	11	8.8	6.8	4.6	4.6	4.6	15	56	232	172	52	22
15....	13	8.8	6.8	4.6	4.1	4.3	16	56	226	161	49	22
16....	13	8.0	6.8	4.8	4.3	4.0	18	51	223	156	64	21
17....	13	8.0	6.8	4.1	4.8	4.6	18	49	235	148	63	22
18....	11	8.4	6.8	3.8	4.8	4.6	19	49	241	140	61	22
19....	11	8.0	6.4	4.2	4.8	4.2	20	51	259	129	61	25
20....	11	7.2	6.8	4.6	4.8	4.6	23	47	283	132	54	22
21....	11	6.4	6.4	4.6	4.8	4.6	27	47	310	129	52	21
22....	11	5.8	6.0	4.6	5.3	4.6	28	45	337	161	51	21
23....	10	8.4	6.0	4.6	5.0	4.3	29	48	343	134	49	19
24....	13	8.4	6.0	4.6	4.8	4.6	37	54	334	124	49	19
25....	11	7.6	6.0	4.6	4.8	4.6	41	54	331	114	52	19
26....	12	7.2	6.0	4.3	3.1	4.3	43	59	313	106	48	17
27....	12	7.6	5.5	4.3	4.8	3.6	42	70	307	101	45	18
28....	11	7.6	6.0	4.1	4.8	4.8	47	99	310	97	43	18
29....	11	7.2	6.0	4.1	....	6.0	51	134	304	99	41	19
30....	10	7.6	6.0	4.1	....	7.6	58	170	298	104	45	16
31....	8.4	6.0	6.0	4.1	....	6.8	....	172	....	92	42	....
Total	360.4	248.2	203.5	143.7	123.1	148.7	695.4	2253	7604	5042	1917	731
Mean.	11.6	8.27	6.56	4.64	4.40	4.80	23.2	72.7	253	163	61.8	24.4
Max..	14	11	7.6	5.8	5.3	7.6	58	172	343	271	94	38
Min..	8.4	5.8	5.5	3.8	3.1	3.6	6.8	45	159	92	41	16
Acre-ft.	715	492	404	285	244	295	1380	4470	15080	10000	3800	1450

Total run-off for period=38,620 acre-feet.

Discharge of West Fork of Clear Creek Above Empire, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	14	9.1	7.9	5.2	4.0	4.0	3.7	6.7	206	235	77	29
2....	13	7.9	7.9	4.9	4.0	4.0	3.7	6.3	198	235	77	26
3....	13	9.5	7.5	5.2	4.0	4.3	4.3	5.9	181	224	74	26
4....	12	12	7.5	4.6	4.3	4.0	4.9	6.3	150	221	70	25
5....	12	12	7.5	4.9	4.3	4.0	5.5	6.3	132	311	68	25
6....	12	9.5	7.5	4.3	4.3	3.7	5.5	11	153	288	65	23
7....	12	8.7	7.5	4.3	4.3	4.6	4.6	13	167	263	62	22
8....	12	7.9	7.5	4.3	4.3	4.6	5.2	14	181	244	59	21
9....	12	10	7.5	4.0	4.0	4.0	5.9	19	268	227	56	20
10....	12	9.5	7.5	4.0	4.0	4.3	2.8	20	277	224	56	20
11....	11	9.5	7.5	4.0	4.6	4.0	5.5	24	250	207	54	18
12....	10	9.5	7.1	3.7	5.2	4.0	6.3	30	244	193	51	17
13....	11	9.5	7.1	3.4	5.2	4.0	6.7	45	253	188	49	15
14....	12	9.5	7.1	3.4	5.2	4.0	5.5	63	259	172	47	15
15....	12	8.7	7.1	3.4	4.3	4.0	5.2	83	283	164	46	15
16....	12	8.7	7.1	3.7	4.3	4.0	5.5	101	286	156	46	15
17....	12	9.1	7.1	4.0	4.0	4.0	5.2	89	265	140	44	14
18....	11	9.5	6.7	3.7	3.7	4.0	4.9	64	268	135	48	8.8
19....	11	9.5	6.7	3.7	3.7	4.0	4.9	59	295	144	51	11
20....	8.7	9.1	6.7	4.0	3.4	4.0	4.6	59	319	144	45	11
21....	9.5	8.7	6.7	4.3	3.4	4.0	4.6	64	328	133	41	11
22....	11	9.1	6.3	4.3	3.4	4.0	4.9	81	316	122	39	9.7
23....	11	8.7	5.9	4.3	3.4	4.3	4.9	97	311	115	37	10
24....	9.5	8.7	5.9	4.3	3.4	4.0	4.3	119	325	131	37	11
25....	11	8.7	6.3	4.3	4.0	4.0	4.9	114	325	122	42	11
26....	11	6.3	5.5	4.3	4.0	4.0	5.5	101	311	106	37	11
27....	11	7.9	5.5	4.3	4.0	4.0	5.5	92	288	97	35	11
28....	9.5	8.3	5.9	4.3	4.0	4.0	6.3	97	274	90	35	11
29....	10	7.9	5.5	4.0	4.0	4.0	5.5	111	272	87	35	11
30....	9.5	7.9	5.2	4.0	....	4.0	5.9	161	252	85	35	11
31....	9.5	....	5.2	4.0	....	4.0	....	214	....	80	31	....
Total	347.2	270.9	209.9	129.1	118.7	125.8	152.7	1976.5	7637	5283	1549	484.5
Mean.	11.2	9.03	6.77	4.16	4.09	4.06	5.09	63.8	255	170	50.0	16.2
Max..	14	12	7.9	5.2	5.2	4.6	6.7	214	328	311	77	29
Min..	8.7	6.3	5.2	3.4	3.4	3.7	2.8	5.9	132	80	31	8.8
Acre-ft.	689	537	416	256	235	250	303	3920	15150	10480	3070	961

Total run-off for period=36,270 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of North St. Vrain Creek at Longmont Dam Near Lyons, Colo., for
Year Ending Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	25	63	22	18	14	11	47	184	514	506	116	60
2....	23	62	26	18	14	9.5	57	212	601	427	118	53
3....	23	60	20	15	13	16	66	226	442	368	123	50
4....	20	59	20	11	12	16	64	232	332	339	115	66
5....	20	48	21	17	12	14	67	208	289	302	135	67
6....	18	48	11	16	12	14	78	188	289	295	131	62
7....	18	48	13	14	12	15	80	164	273	279	124	57
8....	16	45	19	14	13	16	88	157	361	267	130	53
9....	16	44	20	15	14	17	102	151	502	270	118	48
10....	16	32	23	15	13	18	100	164	518	246	91	46
11....	18	38	23	14	12	18	91	172	522	229	83	44
12....	20	41	22	14	12	18	86	186	470	215	76	56
13....	30	35	21	14	13	18	94	182	427	221	74	54
14....	36	35	19	14	14	20	97	182	427	190	69	47
15....	34	34	19	16	14	22	98	202	397	174	66	45
16....	98	30	20	14	14	18	102	202	350	174	68	43
17....	232	26	20	12	15	19	102	186	332	174	79	43
18....	140	32	19	12	15	18	105	192	405	164	69	43
19....	105	28	18	13	15	18	109	223	458	155	84	47
20....	91	28	16	14	16	18	119	264	498	155	85	41
21....	83	21	17	16	15	17	119	252	530	159	82	35
22....	80	23	16	17	18	18	128	240	538	186	82	38
23....	76	38	18	16	16	18	140	232	555	190	78	26
24....	79	35	18	15	14	19	160	229	559	172	88	25
25....	83	26	18	14	15	18	170	218	559	149	105	24
26....	82	17	17	14	15	24	153	218	559	135	103	21
27....	89	43	16	14	15	18	140	223	551	135	95	20
28....	89	26	18	13	14	24	133	302	568	142	74	20
29....	82	25	19	13	....	40	159	423	518	131	67	25
30....	72	25	18	14	....	56	182	547	606	130	63	26
31....	63	....	18	14	....	53	....	538	....	124	66	....
Total	1877	1115	585	450	391	638.5	3226	7299	13950	6803	2857	1285
Mean..	60.5	37.2	18.9	14.5	14.0	20.6	108	235	465	219	92.2	42.8
Max..	232	63	26	18	18	56	182	547	606	506	135	67
Min..	16	17	11	11	12	9.5	47	151	273	124	63	20
Acre-ft.	3720	2210	1160	893	776	1270	6420	14480	27670	13490	5670	2550

Total run-off for period=80,310 acre-feet.

**Discharge of North St. Vrain Creek at Longmont Dam Near Lyons, Colo., for
Year Ending Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	30	18	17	10	8.0	11	10	267	386	292	77	37
2....	25	13	16	10	8.2	11	11	295	361	289	75	35
3....	23	22	14	11	7.8	11	14	210	329	299	72	41
4....	20	21	14	11	8.4	11	20	164	270	299	71	41
5....	20	20	14	10	8.6	11	27	178	223	273	71	40
6....	19	18	14	9.8	8.8	11	30	267	237	255	66	53
7....	17	13	14	9.6	9.6	10	30	336	332	212	62	55
8....	17	12	14	9.8	9.4	10	30	336	329	202	61	52
9....	18	21	13	9.8	9.6	9.8	55	343	361	208	62	50
10....	17	21	13	10	8.2	10	54	408	435	200	85	40
11....	16	23	13	9.6	8.0	9.8	65	405	442	198	84	32
12....	18	19	12	8.4	8.8	10	103	435	408	180	82	30
13....	20	19	11	7.6	8.8	11	130	435	408	160	112	28
14....	20	18	12	7.6	8.4	10	121	431	431	144	109	25
15....	18	16	12	7.8	8.6	9.6	113	446	408	135	105	23
16....	18	18	11	8.0	9.4	9.6	113	470	442	123	112	22
17....	17	18	12	9.2	9.2	11	89	439	397	119	97	20
18....	16	18	12	9.8	9.6	9.6	78	343	346	123	51	17
19....	16	16	12	9.6	9.6	11	79	267	368	121	42	18
20....	14	17	13	9.8	9.4	9.8	74	240	416	142	40	17
21....	13	15	13	9.6	9.8	7.2	75	235	423	138	39	16
22....	16	16	12	9.0	10	9.2	76	243	386	126	37	16
23....	18	16	11	9.4	10	10	77	302	346	113	36	16
24....	16	16	12	10	10	9.8	91	357	375	116	38	16
25....	16	16	11	10	11	8.8	115	364	405	110	42	16
26....	16	7.2	11	19.2	10	8.6	157	305	379	106	39	15
27....	16	8.0	10	9.0	10	8.8	188	246	397	95	43	14
28....	15	16	10	8.6	10	8.2	208	240	336	86	43	14
29....	15	14	10	8.2	10	7.8	218	295	339	85	42	14
30....	17	15	10	7.8	....	8.4	215	361	312	82	43	15
31....	16	....	10	7.6	....	10	....	394	....	76	39	....
Total	553	500.2	383	296.8	267.2	304.0	2666	10057	11027	5107	1977	828
Mean..	17.8	16.7	12.4	9.25	9.21	9.81	88.9	324	368	165	63.8	27.6
Max..	30	23	17	11	11	11	218	470	442	299	112	55
Min..	13	7.2	10	7.6	7.8	7.2	10	164	223	76	36	14
Acre-ft.	1100	992	760	569	530	603	5290	19950	21870	10130	3920	1640

Total run-off for period=87,350 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of St. Vrain Creek at Lyons, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	17	100	21	20	12	9.5	50	235	744	617	145	70
2.....	11	100	26	20	12	6.5	55	277	921	439	150	58
3.....	11	87	28	20	12	12	85	301	656	433	155	52
4.....	12	87	20	20	9	16	60	301	471	412	143	60
5.....	11	70	21	17	12	12	65	228	412	371	134	62
6.....	9.9	68	16	20	11	10	76	219	417	362	122	60
7.....	7.8	70	14	18	11	11	81	222	380	340	118	53
8.....	6.4	64	17	16	12	15	98	222	417	335	125	47
9.....	6.4	62	18	15	12	17	110	213	617	335	114	46
10.....	6.4	45	21	14	11	19	129	238	704	318	114	42
11.....	5.7	44	23	15	11	19	129	251	656	289	108	39
12.....	5.0	55	23	14	12	19	118	293	510	277	116	37
13.....	8.5	47	23	13	11	19	129	281	517	274	116	36
14.....	33	45	21	14	12	20	127	266	491	248	110	28
15.....	28	47	21	13	13	26	138	293	465	207	106	40
16.....	167	42	21	14	13	20	143	301	452	210	110	47
17.....	428	35	21	10	13	21	141	289	452	216	122	57
18.....	244	42	20	12	14	20	145	331	537	201	108	57
19.....	174	39	18	14	14	18	155	401	537	190	114	67
20.....	141	36	18	17	14	20	172	459	609	192	98	61
21.....	122	28	19	17	14	16	177	433	656	198	92	55
22.....	120	21	18	18	14	10	184	380	617	244	90	48
23.....	125	30	18	18	15	6.5	195	380	664	241	85	46
24.....	129	45	19	18	14	6.0	213	401	672	219	94	44
25.....	143	34	18	17	12	11	228	353	696	195	122	42
26.....	136	18	19	15	14	14	213	385	648	182	104	42
27.....	148	27	17	18	14	20	184	335	625	172	100	44
28.....	150	35	21	16	14	29	162	439	696	177	78	47
29.....	136	24	22	14	....	52	190	760	617	170	65	47
30.....	114	32	21	14	....	78	228	876	744	165	62	50
31.....	94	....	23	12	....	67	....	808	....	155	81	....
Total	2750.1	1479	626	493	352	639.5	4180	11171	17600	8384	3401	1484
Mean.	88.7	49.3	20.2	15.9	12.6	20.6	139	360	587	270	110	49.5
Max..	428	100	28	20	15	78	228	876	921	617	155	70
Min..	5.0	18	14	10	9	6.0	50	213	380	155	62	28
Acre-ft.	5450	2930	1240	978	698	1270	8290	22160	34910	16630	6750	2940

Total run-off for period=104,200 acre-feet.

Discharge of St. Vrain Creek at Lyons, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	36	20	10	6.5	9.0	9.0	26	391	362	358	87	53
2.....	32	5.6	12	6.5	9.5	9.5	26	452	366	358	98	50
3.....	28	5.2	8.0	6.5	9.5	10	30	322	358	380	102	42
4.....	28	5.2	7.0	6.0	11	9.0	41	251	293	376	96	42
5.....	25	5.2	7.0	5.8	10	9.5	55	254	251	353	92	41
6.....	23	4.8	10	5.4	10	7.5	67	371	254	322	100	42
7.....	21	4.6	10	5.2	10	7.0	71	517	362	285	96	46
8.....	23	4.4	9.5	5.4	12	6.5	57	530	366	262	90	40
9.....	24	4.2	6.5	6.0	11	7.5	187	491	396	274	89	36
10.....	22	4.4	6.5	5.8	7.5	7.0	187	602	459	266	112	44
11.....	24	4.6	9.0	5.6	6.5	7.5	192	602	484	289	116	42
12.....	25	4.8	9.5	5.4	7.0	8.0	285	640	465	274	94	39
13.....	26	5.0	10	5.0	7.0	9.0	344	602	439	244	89	37
14.....	24	4.8	11	5.0	6.5	10	306	594	439	225	87	36
15.....	22	4.8	10	5.0	6.0	8.0	241	594	417	210	79	35
16.....	21	4.6	10	5.2	6.0	9.0	232	625	459	195	87	36
17.....	22	4.6	10	5.8	5.8	10	180	563	412	195	76	35
18.....	21	4.4	10	6.0	5.8	11	157	417	362	195	65	32
19.....	21	5.6	11	6.5	6.0	8.5	153	310	371	195	53	31
20.....	21	8.0	12	6.0	7.0	10	132	262	406	228	50	25
21.....	21	8.0	12	6.0	8.0	7.0	129	244	412	219	48	19
22.....	21	7.5	12	6.5	8.0	13	129	241	380	195	46	18
23.....	21	7.0	10	6.5	9.0	17	127	289	371	180	57	16
24.....	21	7.5	9.5	6.0	8.5	21	157	331	396	182	61	17
25.....	21	8.5	9.5	6.5	9.0	18	198	335	385	177	70	18
26.....	21	5.4	8.5	6.5	8.0	17	251	274	371	160	68	18
27.....	21	5.0	7.5	6.0	9.5	16	301	219	396	145	73	21
28.....	21	5.4	7.0	6.5	9.0	16	327	201	376	122	70	19
29.....	20	7.0	6.5	8.0	8.0	14	335	248	391	108	68	17
30.....	21	8.0	6.5	8.0	....	17	314	318	385	100	65	16
31.....	719	....	6.5	8.0	....	23	....	358	....	90	60	....
Total	219	184.1	284.5	189.1	240.1	352.5	5237	12448	11584	7162	2444	963
Mean.	23.2	6.14	9.18	6.10	8.28	11.4	175	402	386	231	78.8	32.1
Max..	36	20	12	8.0	12	23	344	640	484	380	116	53
Min..	20	4.2	6.5	5.0	5.8	6.5	26	201	251	90	46	16
Acre-ft.	1430	365	564	375	476	699	10390	24690	22980	14210	4850	1910

Total run-off for period=82,940 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of St. Vrain Creek at Mouth Near Platteville, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	71	185	124	109	101	98	93	155	1520	935	113	182
2....	62	167	124	104	118	53	99	141	1390	687	120	113
3....	61	159	136	90	122	48	89	180	1500	531	130	95
4....	61	149	111	83	117	98	86	204	1000	413	132	92
5....	60	138	107	83	139	98	82	204	520	338	113	90
6....	61	132	93	109	122	95	89	163	320	228	122	87
7....	58	128	86	106	124	96	96	115	236	171	130	86
8....	56	126	83	109	104	120	113	111	132	138	143	92
9....	55	120	101	128	113	161	161	214	120	134	159	87
10....	55	118	118	118	113	274	180	462	134	134	194	85
11....	55	118	120	93	118	206	222	546	202	134	174	85
12....	53	118	128	92	128	185	196	467	247	159	157	83
13....	58	130	113	107	124	171	182	458	206	130	149	82
14....	83	130	104	122	115	157	185	417	199	115	138	83
15....	109	126	103	122	122	138	178	426	187	113	141	85
16....	277	126	103	110	101	134	169	572	182	126	143	85
17....	891	118	104	98	117	139	171	676	167	136	155	86
18....	666	122	99	90	113	151	169	811	169	145	115	89
19....	324	126	99	96	118	136	155	1370	194	155	103	90
20....	225	120	101	102	118	155	151	1550	253	141	101	98
21....	167	120	98	110	113	141	161	1410	236	143	101	90
22....	145	111	96	114	113	120	163	1330	293	396	113	87
23....	139	109	93	157	109	115	174	1250	313	346	111	90
24....	161	132	93	128	118	115	174	1270	327	262	92	86
25....	189	178	96	106	120	113	176	1280	338	238	93	83
26....	212	139	99	111	115	104	214	1100	404	230	99	71
27....	271	126	106	155	109	103	277	935	350	180	161	71
28....	296	126	101	153	111	99	262	827	396	151	165	65
29....	271	138	107	151	....	93	214	891	481	143	187	62
30....	236	132	106	147	....	95	176	1350	624	126	187	57
31....	206	....	124	124	....	99	....	1600	....	107	185	....
Total	5634	3967	3276	3527	3255	3910	4857	22485	12640	7385	4226	2637
Mean.	182	132	106	114	116	126	162	725	421	238	136	87.9
Max..	891	185	136	157	139	274	277	1600	1526	935	194	182
Min..	53	109	83	83	101	48	82	111	120	107	92	57
Ac.-ft.	11170	7870	6500	7000	6460	7760	9630	44600	25070	14650	8380	5230

Total run-off for period=154,300 acre-feet.

Discharge of St. Vrain Creek at Mouth, Near Platteville, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	62	64	82	55	50	85	136	971	422	218	106	64
2....	60	65	90	51	53	89	138	1340	514	218	79	55
3....	61	73	80	60	52	87	136	1470	406	212	66	56
4....	61	71	78	73	60	80	107	1150	316	231	67	57
5....	52	73	78	60	58	76	96	1090	271	253	66	57
6....	50	72	78	52	70	71	87	1170	212	198	78	60
7....	48	71	76	53	80	65	80	1520	218	167	103	61
8....	60	64	76	45	79	64	79	1830	271	126	118	63
9....	62	64	72	47	73	65	76	1910	371	116	116	64
10....	60	80	71	50	56	64	204	1930	680	130	119	63
11....	57	83	71	53	37	64	413	2040	717	160	111	59
12....	62	80	72	54	51	62	754	2000	821	198	100	55
13....	71	85	72	55	58	61	1040	2320	706	210	92	55
14....	73	83	73	55	49	61	1380	2340	556	198	133	56
15....	73	79	71	56	49	61	1130	2260	509	184	139	56
16....	76	75	69	58	56	61	832	2270	398	186	141	56
17....	76	80	69	61	68	65	770	2270	455	210	150	56
18....	71	83	69	64	79	64	775	2020	493	188	148	54
19....	68	80	69	*66	86	65	989	1680	488	154	148	52
20....	61	80	72	66	89	68	843	1270	463	247	154	51
21....	60	79	72	64	90	69	728	1220	463	426	152	50
22....	61	76	72	66	93	56	702	1220	493	426	110	49
23....	62	69	73	66	96	138	671	1120	497	373	95	50
24....	64	69	73	64	93	159	531	1010	442	310	108	50
25....	62	73	71	61	93	174	536	926	402	247	123	50
26....	61	73	68	65	92	149	702	776	375	200	116	50
27....	62	68	61	56	92	130	702	738	316	175	130	52
28....	61	76	57	45	86	117	785	696	268	162	121	50
29....	57	82	43	48	85	117	811	484	238	137	106	49
30....	62	76	44	46	....	101	930	476	228	130	89	49
31....	62	....	48	48	....	109	....	430	....	124	80	....
Total	1938	2246	2170	1763	2073	2697	17163	43947	13009	6514	3464	1649
Mean.	62.5	74.9	70.0	56.9	71.5	87.0	572	1418	434	210	112	55.0
Max..	76	85	82	66	96	174	1380	2340	821	426	154	64
Min..	48	64	43	45	37	56	76	430	212	116	66	49
Acre-ft.	3840	4450	4300	3500	4110	5350	34040	87170	25800	12920	6870	3270

Total run-off for period=195,600 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Boulder Creek Near Orodell, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	23	38	29	14	38	24	48	106	218	469	121	63
2....	20	49	29	19	22	31	55	91	244	419	123	49
3....	25	37	25	10	22	34	57	106	230	320	125	62
4....	6.2	55	28	41	33	35	59	96	215	306	123	70
5....	20	46	16	36	23	40	59	91	201	274	119	56
6....	23	42	20	41	14	27	62	128	192	252	130	50
7....	21	32	19	43	1.4	11	56	119	227	244	93	62
8....	26	31	41	42	30	28	59	104	218	252	96	48
9....	24	56	30	28	26	31	72	96	340	248	100	44
10....	15	49	36	11	30	32	52	108	407	270	94	33
11....	6.2	40	31	46	18	33	33	121	340	227	96	45
12....	23	54	20	44	26	33	72	112	311	214	84	46
13....	36	34	24	42	15	24	72	100	270	198	82	48
14....	30	20	35	42	1.5	8	60	98	320	214	87	49
15....	37	17	25	32	30	33	72	112	316	189	79	48
16....	73	31	25	33	17	38	72	102	296	162	80	42
17....	73	28	23	14	29	36	44	102	283	171	93	51
18....	42	28	25	31	35	40	40	125	306	159	94	45
19....	45	30	16	39	33	38	59	121	335	140	93	31
20....	41	35	12	37	18	18	79	138	360	138	87	38
21....	44	24	34	34	4	12	74	140	431	153	93	44
22....	43	25	18	30	28	34	84	130	483	171	69	51
23....	36	41	25	16	30	34	89	130	504	195	64	59
24....	30	45	16	4	27	32	87	159	504	177	63	49
25....	28	46	11	34	35	42	94	143	449	156	96	49
26....	35	24	17	28	35	38	112	140	437	140	98	23
27....	45	48	10	26	22	26	91	135	431	135	93	36
28....	50	43	36	28	3.6	22	78	143	437	123	82	35
29....	45	27	24	27	....	55	85	186	443	123	59	30
30....	45	37	34	15	....	45	89	171	518	130	63	40
31....	33	....	13	6.8	....	57	....	218	....	130	60	....
Total	1043.4	1112	747	893.8	646.5	991	2065	3881	10266	6499	2839	1396
Mean.	33.7	37.1	24.1	28.8	23.1	32.0	68.8	125	342	210	91.6	46.5
Max..	73	56	41	46	38	57	112	218	518	469	130	70
Min..	6.2	17	10	4.0	1.4	8	33	91	192	123	59	23
Acre-ft.	2070	2210	1480	1770	1280	1970	4100	7700	20360	12890	5630	2770

Total run-off for period=64,230 acre-feet.

Discharge of Boulder Creek Near Orodell, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	37	18	31	4.7	36	29	27	186	195	325	93	43
2....	46	20	27	18	33	28	12	195	168	316	79	40
3....	13	18	28	37	24	25	42	174	165	335	66	33
4....	24	16	16	28	24	13	41	148	207	335	67	36
5....	29	21	6.8	33	33	9.8	50	150	265	340	63	43
6....	31	6.2	19	32	6.8	34	51	210	235	320	60	37
7....	27	4.6	29	54	27	27	56	214	274	283	64	41
8....	22	18	28	64	28	24	41	244	335	235	64	37
9....	16	30	30	38	35	22	55	244	320	210	63	34
10....	6.2	20	20	28	27	33	63	270	340	204	62	30
11....	37	21	19	67	38	16	64	261	355	227	49	31
12....	26	23	28	27	19	8.0	73	265	296	261	37	31
13....	22	8.6	38	53	13	18	89	274	210	239	35	40
14....	21	6.8	16	52	28	38	94	278	227	201	34	44
15....	28	16	18	55	33	40	82	287	292	177	44	48
16....	8.6	25	17	16	28	37	72	270	395	123	44	42
17....	8.6	20	20	42	32	41	84	239	395	135	37	22
18....	13	31	15	45	32	15	66	198	355	168	31	25
19....	32	20	6.2	44	17	9.8	66	180	355	150	30	26
20....	32	22	22	44	14	38	66	150	390	150	31	26
21....	20	6.2	19	48	29	40	64	153	413	153	32	24
22....	20	23	17	50	26	38	59	156	425	148	35	22
23....	8.0	26	22	8.7	27	31	45	162	390	135	38	22
24....	8.6	23	18	50	28	32	93	156	365	132	52	16
25....	18	11	13	50	20	18	93	150	385	135	56	25
26....	22	11	14	51	11	13	98	148	401	119	55	23
27....	22	9.8	15	56	13	36	125	153	395	108	41	22
28....	22	6.8	17	54	24	33	135	140	355	104	36	19
29....	14	26	59	46	28	37	153	138	230	96	36	20
30....	15	34	14	16	....	31	150	156	335	94	43	16
31....	9.2	....	17	43	....	34	....	153	....	98	43	....
Total	658.2	542.0	659.0	1254.4	733.8	848.6	2209	6102	9568	6066	1520	918
Mean.	21.2	18.1	21.3	40.5	25.3	27.4	73.6	197	319	196	49.0	30.6
Max..	46	24	59	67	38	41	153	287	425	340	93	48
Min..	6.2	4.6	6.2	4.7	3.8	8.0	12	138	165	94	30	16
Acre-ft.	1310	1080	1310	2490	1460	1680	4380	12100	18980	12030	3010	1820

Total run-off for period=61,650 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Boulder Creek at Mouth Near Longmont, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	2.3	33	38	....	42	30	28	81	400	208	2.7	0.4
2....	2.7	28	36	....	42	30	27	106	200	120	2.6	0.4
3....	4.2	28	42	....	42	30	27	131	190	100	2.8	0.4
4....	5.1	25	31	....	42	30	24	111	90	62	3.3	0.7
5....	5.4	23	38	....	42	30	24	104	25	32	3.3	0.7
6....	5.1	23	25	....	42	38	30	32	11	10	3.6	1.0
7....	4.5	23	28	....	42	38	35	36	12	3.9	4.8	2.1
8....	4.5	22	26	....	42	38	67	40	3.9	2.5	4.8	2.7
9....	4.5	20	50	....	42	38	93	108	5.4	2.2	4.5	2.3
10....	4.8	28	40	....	42	38	127	185	26	2.4	4.8	2.3
11....	5.4	28	54	....	42	38	138	152	83	2.3	3.9	2.1
12....	5.7	31	37	....	42	38	106	116	17	3.6	1.0	3.9
13....	8.5	38	31	....	42	38	106	86	5.4	2.8	0.8	2.6
14....	22	35	37	....	42	38	91	88	3.6	3.9	0.9	2.9
15....	31	31	48	....	42	38	64	136	6.0	3.9	0.8	5.1
16....	131	28	37	....	42	38	81	183	9.5	4.8	0.8	6.0
17....	241	32	29	....	42	38	91	170	7.5	4.2	1.0	6.0
18....	140	35	27	....	42	38	68	213	8.0	3.9	1.6	5.7
19....	84	32	28	....	39	38	56	468	23	3.6	1.0	5.1
20....	56	32	24	....	51	38	80	391	28	5.1	0.6	4.2
21....	46	39	21	....	50	38	98	270	20	6.5	0.6	3.9
22....	30	28	28	....	46	38	98	255	66	30	0.5	3.9
23....	30	28	22	....	41	38	114	236	51	8.5	0.4	4.5
24....	35	45	31	....	42	38	122	278	61	5.1	0.4	4.8
25....	35	51	27	....	43	38	104	275	42	3.9	0.6	5.1
26....	34	50	24	....	46	33	104	204	81	2.9	0.5	3.9
27....	56	35	20	*56	48	34	116	142	52	3.0	0.4	2.9
28....	46	52	17	....	39	29	111	378	69	3.0	0.4	2.9
29....	46	49	34	....	....	28	103	410	97	2.8	0.4	2.7
30....	42	38	44	....	....	28	94	425	166	2.7	0.4	2.2
31....	40	....	45	....	....	24	....	450	....	2.9	0.4	....
Total	1207.7	990	1019	1426	1201	1086	2427	6260	1859.3	652.4	54.6	93.4
Mean.	39.0	33.0	32.9	46.0	42.9	35.0	80.9	202	62.0	21.0	1.76	3.11
Max.	241	52	54	....	....	....	138	468	400	208	4.8	6.0
Min.	2.3	20	17	....	....	....	24	32	3.6	2.2	0.4	0.4
Acre-ft.	2400	1960	2020	2830	2380	2150	4810	12420	3690	1290	108	185

Total run-off for period=36,240 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Boulder Creek at Mouth Near Longmont, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.8	2.4	32	28	....	18	40	540	87	4.7	3.9	3.6
2....	2.0	5.1	20	25	....	19	44	715	148	4.7	3.6	3.6
3....	1.8	6.5	18	18	....	19	32	679	50	4.7	3.3	3.3
4....	1.5	7.0	19	25	....	18	29	522	22	4.7	3.1	3.3
5....	1.5	11	17	25	....	17	29	432	13	4.7	2.8	3.1
6....	1.6	20	14	25	....	*15	28	508	9.0	4.7	2.6	2.8
7....	1.6	16	15	25	*42	17	28	666	9.3	4.7	2.4	2.6
8....	1.4	12	14	25	....	17	28	770	9.7	5.8	2.2	2.4
9....	1.6	17	12	25	....	18	28	742	16	5.8	2.2	2.2
10....	1.5	27	21	25	....	19	179	764	53	6.0	2.2	2.0
11....	1.3	23	22	25	....	19	164	656	88	6.0	2.4	1.7
12....	1.7	22	32	25	....	19	278	684	91	6.3	2.4	2.0
13....	2.1	24	27	25	....	18	440	706	40	6.8	2.4	2.2
14....	1.8	20	20	25	....	19	652	674	18	7.1	2.6	2.4
15....	1.5	18	23	25	....	20	378	648	7.7	8.2	2.6	2.6
16....	1.7	18	17	25	....	19	268	652	17	6.0	2.6	3.1
17....	1.5	26	17	25	....	20	270	625	41	5.8	2.8	5.2
18....	1.1	24	17	25	....	19	301	512	29	5.8	2.8	3.9
19....	1.0	26	19	25	....	18	436	454	37	5.5	2.8	2.8
20....	1.0	22	17	25	....	18	287	378	42	3.2	3.1	3.1
21....	1.2	21	19	25	....	17	270	357	59	2.8	2.8	2.0
22....	1.5	9.0	24	25	....	31	298	280	67	1.2	3.1	1.3
23....	1.8	14	22	25	....	56	248	248	51	10	3.1	1.3
24....	1.6	18	24	25	....	65	208	193	33	7.9	3.1	1.3
25....	1.8	19	18	25	....	64	258	136	33	6.3	3.1	1.3
26....	2.6	14	18	25	....	50	287	116	36	4.7	3.1	1.3
27....	3.3	23	21	25	....	38	308	189	30	6.8	3.3	1.5
28....	2.6	29	32	25	....	46	344	113	17	4.7	3.3	1.7
29....	3.6	21	32	25	....	38	409	138	11	4.7	3.3	1.7
30....	3.0	25	24	25	....	33	508	90	4.7	4.4	3.3	2.8
31....	2.6	....	25	25	....	46	....	76	....	4.2	3.6	....
Total	56.6	540.0	652	771	812	850	7077	14263	1169.4	233.7	89.9	74.1
Mean.	1.83	18.0	21.0	24.9	28.0	27.4	236	460	39.0	7.54	2.90	2.47
Max.	3.6	29	32	....	....	65	652	770	148	32	3.9	5.2
Min.	1.0	2.4	12	....	....	15	28	76	4.7	4.2	2.2	1.3
Acre-ft.	112	1070	1290	1530	1610	1690	14040	28290	2320	464	178	147

Total run-off for period=52,740 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Boulder Creek Near Eldorado Springs, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	7.4	11	....	....	....	....	35	213	386	243	50	14
2....	8.0	11	....	....	....	....	41	295	442	209	44	14
3....	9.6	11	....	....	....	....	49	290	364	185	45	15
4....	9.6	11	....	....	....	....	46	295	285	162	40	15
5....	8.8	11	....	....	....	....	45	256	261	144	49	14
6....	9.6	10	....	....	....	....	53	230	295	147	46	14
7....	9.6	10	....	....	....	....	55	197	280	130	36	13
8....	10	9.2	....	....	....	Mar. 1	57	181	326	140	46	13
9....	10	8.8	....	....	....	to 10	58	181	358	114	42	8.0
10....	10	8.4	....	....	....	18	58	181	408	106	36	7.1
11....	10	8.4	....	....	....	....	53	174	392	100	35	8.8
12....	10	8.4	....	....	....	....	57	174	315	87	33	11
13....	14	8.4	....	....	....	....	67	151	320	87	29	11
14....	23	8.4	....	....	....	....	64	162	320	79	27	11
15....	25	8.4	....	....	....	....	69	177	300	83	27	10
16....	60	8.4	....	....	....	....	71	162	300	71	32	11
17....	33	8.4	....	....	....	....	71	162	320	65	67	11
18....	24	8.8	....	....	....	....	75	170	266	57	42	11
19....	16	9.2	....	....	....	....	41	197	348	55	34	14
20....	13	10	....	....	....	....	37	209	320	60	29	11
21....	13	11	*16	....	....	....	37	217	348	83	24	9.6
22....	15	24	....	....	....	....	28	209	326	77	26	10
23....	16	33	....	....	....	Mar. 11	19	225	326	92	23	10
24....	14	29	....	....	....	to 25	38	275	315	67	30	10
25....	16	23	....	....	....	20	40	248	310	60	32	9.2
26....	17	22	....	....	....	20	111	248	315	50	22	8.4
27....	16	25	....	*24	....	23	124	252	275	55	20	8.4
28....	25	23	....	....	....	26	124	348	270	52	20	7.1
29....	12	23	....	....	....	42	124	402	275	47	19	9.6
30....	12	22	....	....	....	42	109	466	315	46	20	13
31....	11	....	....	....	....	47	392	....	....	57	21	....
Total	487.6	423.2	527	620	616	680	1856	7339	9681	3010	1046	332.2
Mean.	15.7	14.1	17.0	20.0	22.0	21.9	61.9	237	323	97.1	33.7	11.1
Max..	60	33	....	....	....	....	124	466	442	243	67	15
Min..	7.4	8.4	....	....	....	....	19	151	261	46	19	7.1
Acre-ft.	967	839	1050	1230	1220	1350	3680	14560	19200	5970	2070	659

Total run-off for period=52,800 acre-feet.

*Winter discharge measurement made on this day.

Discharge of South Boulder Creek Near Eldorado Springs, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	16	10	9.2	5.0	6.0	5.4	30	253	444	197	34	11
2....	11	14	10	5.0	5.9	5.5	33	253	456	204	36	10
3....	11	12	11	*5.1	5.9	5.8	32	187	340	244	32	9.5
4....	11	11	10	5.6	5.9	5.7	33	165	325	190	32	9.5
5....	10	10	10	6.2	6.0	5.4	35	178	295	174	32	9.5
6....	11	9.7	9.7	6.2	6.0	*5.1	54	244	280	156	32	9.5
7....	11	9.2	*9.9	6.1	*6.1	5.0	52	320	330	141	29	9.0
8....	10	*6.0	9.8	6.0	6.3	5.0	61	330	325	181	27	8.6
9....	10	7.0	9.6	6.0	6.3	5.3	86	300	352	204	25	9.0
10....	10	10	9.7	5.9	6.0	5.5	97	204	396	204	27	8.2
11....	10	12	9.8	5.9	5.6	6.1	66	165	396	194	24	8.6
12....	11	9.6	9.8	5.9	5.5	6.2	84	216	374	156	21	8.2
13....	11	10	10	5.7	5.4	6.2	94	231	352	147	20	7.8
14....	11	9.2	10	5.5	5.3	5.9	97	248	346	141	20	7.8
15....	11	9.2	10	5.2	5.2	6.0	90	267	335	128	20	7.8
16....	9.2	10	10	5.2	5.2	6.0	92	295	357	115	20	7.0
17....	6.2	10	10	5.5	5.0	7.4	73	285	335	105	17	7.0
18....	6.5	13	10	5.9	4.8	7.5	63	239	325	99	15	7.0
19....	14	8.8	11	6.1	5.0	7.9	66	244	325	82	25	7.4
20....	9.6	9.2	11	6.2	5.1	8.6	63	216	330	88	19	7.8
21....	7.4	8.0	11	6.3	5.2	12	65	208	320	71	16	7.8
22....	10	8.4	11	6.4	5.4	16	68	212	315	55	16	8.2
23....	8.8	10	10	6.4	5.7	17	66	253	310	54	14	7.8
24....	9.6	9.2	10	6.5	5.8	18	80	253	295	54	17	7.4
25....	12	11	9.8	6.5	5.8	17	103	257	290	66	26	7.4
26....	11	10	9.0	6.6	5.6	16	117	244	276	50	18	7.4
27....	11	8.0	8.4	6.8	5.1	15	159	216	244	46	15	7.4
28....	11	6.4	7.6	6.5	5.1	15	190	267	239	45	12	7.0
29....	10	7.0	6.8	6.3	5.0	14	204	330	223	40	11	7.4
30....	9.6	8.4	6.2	6.2	....	22	204	368	212	40	12	7.8
31....	9.6	....	5.3	6.0	....	25	....	402	....	34	12	....
Total	320.5	286.3	295.6	184.7	161.2	309.4	2557	7850	9742	3705	676	245.8
Mean.	10.3	9.54	9.54	5.96	5.56	9.98	85.2	253	325	120	21.8	8.19
Max..	16	14	11	6.8	6.3	25	204	402	456	244	36	11
Min..	6.2	6.0	5.3	5.0	4.8	5.0	30	165	212	34	11	7.0
Acre-ft.	636	568	586	366	320	614	5070	15570	19320	7350	1340	488

Total run-off for period=52,230 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Big Thompson River Near Estes Park, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	25	48	.....	.....	.....	.....	39	185	640	555	189	95
2....	26	46	.....	.....	.....	.....	41	205	820	483	189	88
3....	21	46	.....	.....	.....	.....	44	228	590	435	186	82
4....	26	45	.....	.....	.....	.....	46	224	435	414	179	75
5....	22	49	.....	.....	.....	.....	53	210	402	374	173	73
6....	22	46	.....	.....	.....	.....	58	210	398	355	164	73
7....	23	43	.....	.....	.....	.....	61	220	414	330	167	67
8....	21	42	.....	.....	.....	.....	80	215	506	315	165	65
9....	21	41	.....	.....	.....	.....	77	205	583	359	164	63
10....	21	32	.....	.....	.....	.....	73	215	631	367	153	61
11....	19	34	.....	.....	.....	.....	69	225	616	344	150	36
12....	26	39	.....	.....	.....	.....	66	235	546	326	144	30
13....	49	42	.....	.....	.....	.....	72	220	550	330	133	30
14....	55	38	.....	.....	.....	.....	75	215	524	301	128	28
15....	48	35	.....	.....	.....	.....	75	228	452	279	117	28
16....	80	30	.....	.....	.....	.....	77	225	386	276	117	28
17....	80	27	.....	.....	.....	.....	77	220	367	265	130	28
18....	67	36	.....	.....	.....	.....	86	220	422	245	114	31
19....	65	38	.....	.....	.....	.....	86	230	452	235	104	35
20....	61	31	.....	.....	.....	.....	104	245	519	228	95	39
21....	61	30	.....	.....	.....	.....	88	260	564	258	95	32
22....	57	18	*11	.....	.....	.....	130	270	578	304	90	31
23....	65	28	.....	.....	.....	.....	144	280	588	304	88	31
24....	61	33	.....	.....	.....	.....	186	320	583	272	90	28
25....	65	20	.....	.....	.....	.....	192	315	569	235	136	27
26....	63	14	.....	.....	*14	*28	169	315	564	212	120	26
27....	63	22	.....	.....	.....	.....	155	340	588	212	101	26
28....	61	27	.....	*15	.....	.....	145	380	597	202	86	24
29....	57	24	.....	.....	.....	.....	161	500	569	215	77	26
30....	49	26	.....	.....	.....	.....	175	720	564	208	82	32
31....	48	.....	.....	.....	.....	.....	.....	690	.....	195	106	.....
Total	1428	1030	620	558	448	744	2904	8770	16017	9433	4032	1338
Mean.	46.1	31.3	20.0	18.0	16.0	24.0	96.8	283	534	304	130	44.6
Max.	80	49	.....	.....	.....	.....	192	720	820	555	189	95
Min.	19	14	.....	.....	.....	.....	39	185	367	195	77	24
Acre-ft.	2830	2040	1230	1110	889	1480	5760	17400	31770	18710	8000	2650

Total run-off for period=93,870 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Big Thompson River Near Estes Park, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	42	21	17	7.0	6.9	7.0	10	101	506	448	144	41
2....	38	18	19	6.8	6.8	7.4	9.8	95	478	431	139	38
3....	34	25	18	7.4	7.0	8.4	12	75	448	452	139	35
4....	31	19	17	*7.8	7.0	8.4	14	65	355	444	139	35
5....	27	18	19	8.0	7.0	8.2	*16	73	312	426	130	35
6....	27	18	18	7.3	6.8	7.0	18	98	319	402	122	34
7....	26	17	18	7.0	8.0	*6.6	16	136	470	355	112	32
8....	26	19	*16	7.0	*8.3	6.4	20	156	474	333	109	30
9....	23	*26	15	7.3	7.8	7.2	24	158	528	337	106	31
10....	23	22	14	7.1	6.7	7.4	18	183	695	340	90	31
11....	23	26	14	7.3	5.8	7.2	20	186	680	330	86	28
12....	23	26	14	7.1	6.0	7.2	35	231	593	308	75	31
13....	26	25	15	7.0	5.8	8.0	44	279	496	279	67	27
14....	25	21	14	7.6	5.8	7.8	48	304	496	255	63	19
15....	23	18	15	6.5	6.2	7.6	43	382	496	231	61	23
16....	23	20	14	6.0	5.8	7.0	42	448	555	212	61	22
17....	26	21	14	5.8	6.0	8.0	37	431	514	212	59	20
18....	26	21	13	6.4	6.0	9.3	36	319	435	202	59	19
19....	23	19	14	7.0	6.0	9.0	40	265	492	218	63	21
20....	23	20	14	7.5	6.0	10	38	255	560	294	67	20
21....	22	19	13	7.7	6.0	9.8	40	269	560	255	65	20
22....	25	18	13	8.1	6.2	8.2	39	315	550	222	61	17
23....	26	20	12	8.4	6.4	12	38	382	483	195	53	17
24....	25	17	11	8.9	6.8	10	45	426	510	192	63	18
25....	26	18	11	9.0	7.4	8.0	52	431	569	183	77	18
26....	25	12	11	8.8	7.8	8.5	58	355	546	170	65	19
27....	23	8.0	10	8.0	7.7	9.0	68	297	506	156	63	18
28....	22	10	8.4	7.5	6.8	9.2	86	286	439	141	57	19
29....	27	17	7.7	7.2	6.8	8.6	88	348	452	136	51	19
30....	25	15	7.3	7.2	.....	8.8	93	465	439	156	51	21
31....	22	.....	7.2	7.0	.....	9.5	.....	528	.....	147	43	.....
Total	806	577.0	423.6	228.7	193.6	256.7	1147.8	8342	14956	8462	2540	758
Mean.	26.0	19.2	13.7	7.38	6.68	8.28	38.3	269	499	273	81.9	25.3
Max.	42	26	19	9.0	8.3	12	93	528	695	452	144	41
Min.	22	8.0	7.2	5.8	5.8	6.4	9.8	65	312	136	43	17
Acre-ft.	1600	1140	840	454	384	509	2280	16550	29660	16780	5040	1500

Total run-off for period=76,740 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of Big Thompson River Below Power House Near Drake, Colo., for
Year Ending Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	36	95	37	39	24	19	44	210	818	804	210	111
2....	37	97	41	30	23	13	47	235	1030	661	203	106
3....	40	94	49	28	23	21	57	265	811	575	203	100
4....	34	92	33	17	18	33	58	260	598	534	199	98
5....	45	74	40	17	22	25	64	240	512	480	199	88
6....	34	78	20	25	18	23	75	235	496	465	188	84
7....	30	81	14	21	21	24	84	238	507	444	182	79
8....	28	75	31	25	22	25	97	243	598	419	195	77
9....	27	75	35	29	24	28	94	221	713	449	203	75
10....	25	60	44	27	22	22	89	240	804	424	180	70
11....	24	52	49	25	23	25	82	243	797	390	166	63
12....	37	70	46	24	24	25	75	270	680	360	166	44
13....	84	64	43	25	24	26	84	243	667	360	154	45
14....	85	64	42	25	28	28	84	238	654	329	142	46
15....	75	64	41	29	25	32	89	267	592	295	135	43
16....	154	57	41	25	29	26	100	251	540	285	135	42
17....	186	41	41	18	29	23	108	238	534	279	144	43
18....	164	66	40	16	27	18	113	253	661	259	132	43
19....	144	58	38	18	27	15	116	273	713	248	124	48
20....	130	55	31	21	30	21	129	288	804	231	121	49
21....	110	38	34	27	29	18	158	301	882	248	118	43
22....	119	22	33	29	33	19	151	304	890	352	110	39
23....	122	60	30	31	35	19	164	318	905	336	106	40
24....	118	74	33	31	18	18	186	372	898	295	105	38
25....	119	56	32	29	28	27	192	360	868	262	140	37
26....	119	16	33	25	29	29	180	364	875	233	135	36
27....	121	46	23	28	27	33	165	390	875	226	121	36
28....	116	53	32	25	29	41	160	540	875	233	108	34
29....	111	36	38	25	....	57	172	727	818	233	100	36
30....	100	53	28	23	....	56	182	950	928	233	97	42
31....	86	....	33	20	....	50	....	935	....	217	114	....
Total	2660	1866	1105	777	711	839	3398	10512	22343	11159	4635	1735
Mean.	85.8	62.2	35.6	25.1	25.4	27.1	113	339	745	360	150	57.8
Max.	186	97	49	39	35	57	192	950	1030	804	210	111
Min.	24	16	14	16	18	13	44	210	496	217	97	34
Acre-ft.	5280	3700	2190	1540	1410	1660	6740	20850	44320	22130	9190	3440

Total run-off for period=122,500 acre-feet.

**Discharge of Big Thompson River Below Power House Near Drake, Colo., for
Year Ending Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	45	32	25	14	15	14	23	210	727	586	170	59
2....	48	19	30	13	16	18	21	219	687	551	164	53
3....	46	28	25	15	16	21	23	176	592	592	162	49
4....	44	39	23	17	16	20	30	156	502	604	160	49
5....	41	33	24	18	16	18	42	154	414	551	158	50
6....	39	41	25	17	14	11	51	217	385	502	153	49
7....	39	21	26	16	18	18	46	279	586	429	142	46
8....	39	22	24	16	19	16	49	322	648	372	138	46
9....	36	37	22	17	18	18	59	318	687	380	138	45
10....	36	29	20	16	15	20	41	376	928	380	132	46
11....	36	46	22	17	13	19	45	390	950	380	119	46
12....	32	31	24	16	14	18	97	470	860	340	114	43
13....	33	36	21	18	13	21	119	523	680	301	103	43
14....	34	31	24	16	14	20	124	575	642	273	97	36
15....	33	27	21	14	14	20	111	674	661	248	95	34
16....	34	31	22	13	12	10	111	769	741	232	97	36
17....	33	31	20	14	13	18	89	741	707	227	92	34
18....	34	32	19	15	13	21	82	518	569	221	91	34
19....	32	27	22	16	13	20	89	419	623	243	91	33
20....	32	29	22	18	13	24	82	372	734	352	91	34
21....	30	26	22	18	13	18	84	385	748	326	91	33
22....	25	27	21	18	14	9	81	409	755	259	81	32
23....	36	31	17	20	15	26	79	502	592	231	78	28
24....	35	20	16	20	16	22	88	586	642	231	81	32
25....	36	32	18	21	17	13	106	611	741	223	97	32
26....	36	16	18	19	18	18	134	502	734	203	92	32
27....	35	11	18	18	17	18	170	409	700	191	86	32
28....	33	13	15	17	9	20	191	385	575	178	74	31
29....	34	25	15	17	18	16	195	460	598	170	66	33
30....	36	22	14	16	....	21	186	635	580	180	72	38
31....	34	....	14	16	....	20	....	741	....	174	64	....
Total	1116	845	649	516	432	566	2648	13503	19988	10130	3389	1188
Mean.	36.0	28.2	20.9	16.6	14.9	18.3	88.3	436	666	327	109	39.6
Max.	48	46	30	21	19	26	195	769	950	604	170	59
Min.	25	11	14	13	9.0	9.0	21	154	385	170	64	28
Acre-ft.	2210	1680	1290	1020	857	1120	5250	26780	39650	20090	6720	2360

Total run-off for period=109,000 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of Big Thompson River at Mouth of Canyon Near Drake, Colo., for
Year Ending Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	35	124	....	....	....	....	....	240	1020	993	248	124
2.....	36	124	....	....	....	....	....	265	1100	818	238	116
3.....	37	122	....	....	....	....	....	285	986	712	230	110
4.....	27	120	....	....	....	....	....	280	725	647	228	110
5.....	32	96	....	....	....	....	....	270	616	568	225	106
6.....	31	104	....	....	....	....	....	258	585	544	212	104
7.....	31	104	....	....	....	....	....	265	591	516	208	96
8.....	27	90	....	....	....	....	....	273	706	468	228	90
9.....	26	90	....	....	....	....	....	248	860	516	228	96
10.....	25	77	....	....	....	....	....	263	951	482	194	73
11.....	24	64	....	....	....	....	....	273	937	440	184	67
12.....	41	90	....	....	....	....	....	318	790	400	182	42
13.....	100	78	....	....	....	....	....	294	780	395	171	42
14.....	100	71	....	....	....	....	....	288	770	363	158	44
15.....	85	66	....	....	....	....	....	307	718	321	144	41
16.....	242	62	....	....	....	....	*107	298	680	321	143	40
17.....	359	45	....	....	....	....	....	288	647	321	162	40
18.....	250	64	....	....	....	....	....	314	804	298	150	40
19.....	210	59	....	....	....	....	....	367	874	294	140	46
20.....	184	57	....	....	....	....	....	371	958	325	134	49
21.....	175	42	....	....	....	....	....	367	1080	325	124	42
22.....	164	62	*44	....	....	....	....	363	1100	409	122	41
23.....	173	73	....	....	....	....	....	367	1160	387	116	41
24.....	170	73	....	....	....	....	....	431	1110	340	114	38
25.....	167	59	....	....	....	....	....	422	1070	304	156	37
26.....	167	71	....	....	*25	*35	....	422	1070	284	150	36
27.....	166	71	....	....	....	....	....	468	1080	271	132	36
28.....	162	55	....	*38	....	....	....	654	1060	268	120	34
29.....	152	50	....	....	....	....	....	944	1000	265	108	36
30.....	134	50	....	....	....	....	....	1130	1180	263	108	42
31.....	114	....	....	....	....	....	....	1100	....	258	126	....
Total	3646	2313	1240	992	924	1085	3600	12433	27008	13116	5188	1859
Mean.	118	77.1	40	32.0	330	350	120	401	900	423	167	620
Max.	359	124	....	....	....	....	....	1130	1180	993	248	124
Min.	24	42	....	....	....	....	....	240	585	258	108	34
Acre-ft.	7230	4590	2460	1970	1830	2150	7140	24660	53570	26020	10290	3690

Total run-off for period=145,600 acre-feet.

*Winter discharge measurement made on this day.

**Discharge of Big Thompson River at Mouth of Canyon Near Drake, Colo., for
Year Ending Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	51	36	32	19	17	18	24	288	790	706	175	59
2.....	51	23	35	18	18	22	22	311	732	666	169	55
3.....	45	23	31	20	18	24	22	250	706	699	160	49
4.....	39	36	29	*23	18	23	28	215	527	725	153	46
5.....	38	31	30	24	18	22	42	203	440	666	156	48
6.....	35	28	31	22	16	15	55	245	404	603	146	48
7.....	34	26	33	21	19	*23	51	336	616	504	134	40
8.....	33	27	*29	21	*20	20	45	347	706	458	138	40
9.....	32	*35	29	22	19	21	96	363	738	458	140	39
10.....	29	32	27	21	17	22	83	417	1030	454	130	40
11.....	31	40	29	22	15	22	83	422	1100	454	114	40
12.....	28	33	32	21	16	21	178	493	972	413	108	40
13.....	30	35	29	23	15	23	228	562	758	363	92	44
14.....	31	32	32	19	16	22	232	622	758	329	89	37
15.....	30	30	29	17	16	22	200	692	725	304	90	33
16.....	32	31	30	16	14	13	194	825	832	278	90	36
17.....	30	32	28	17	14	20	158	818	790	271	87	30
18.....	31	32	25	18	14	23	144	556	622	268	87	30
19.....	29	29	29	20	14	22	164	435	680	288	89	29
20.....	30	31	29	21	14	26	146	400	825	395	87	31
21.....	30	30	29	21	14	22	144	395	860	363	87	28
22.....	22	31	27	21	16	11	148	417	874	301	78	27
23.....	39	33	24	23	17	28	148	510	725	265	77	25
24.....	36	28	22	23	18	25	154	610	738	260	77	28
25.....	36	34	24	24	19	17	178	641	881	252	96	27
26.....	36	25	24	23	20	20	235	527	881	225	102	26
27.....	38	15	24	21	19	20	271	431	839	205	96	28
28.....	35	19	20	20	12	22	288	391	692	189	78	26
29.....	36	28	20	19	22	19	291	458	718	182	68	28
30.....	39	27	19	18	....	23	268	647	706	191	75	31
31.....	36	....	19	18	....	22	....	790	....	180	67	....
Total	1072	892	853	636	485	653	4320	14617	22665	11915	3340	1088
Mean.	34.6	29.7	27.5	20.5	16.7	21.1	144	472	756	384	108	36.3
Max.	51	40	35	24	22	28	291	825	1100	725	175	59
Min.	22	15	19	16	12	11	22	203	404	180	67	25
Acre-ft.	2130	1770	1690	1260	962	1300	8570	28990	44960	23630	6620	2160

Total run-off for period=124,000 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Big Thompson River at Mouth Near LaSalle, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	22	89	73	52	38	39	36	7.7	613	107	38	18
2....	27	95	73	53	42	31	38	7.4	577	97	39	18
3....	35	94	73	47	42	36	39	6.2	664	85	45	20
4....	30	94	70	44	38	39	39	7.1	505	71	48	20
5....	26	87	74	43	36	35	39	10	409	74	47	19
6....	29	90	66	45	38	36	36	6.2	344	74	49	17
7....	30	95	65	42	42	35	39	5.9	297	48	46	18
8....	30	92	69	45	41	38	47	8.6	178	34	47	20
9....	29	91	74	49	41	51	54	32	132	37	56	18
10....	28	90	74	47	35	50	64	45	81	40	51	18
11....	28	89	74	45	37	46	71	63	62	42	41	19
12....	28	85	77	44	41	47	59	83	49	36	29	18
13....	27	84	76	45	41	48	55	126	46	20	25	19
14....	35	89	81	46	40	47	54	104	49	26	23	20
15....	60	84	83	45	39	46	50	116	32	52	20	16
16....	100	74	69	42	39	43	47	187	38	59	23	16
17....	133	67	67	33	40	44	45	273	56	65	26	16
18....	111	88	63	39	39	43	37	313	49	53	26	17
19....	89	77	62	40	39	38	28	461	41	46	26	16
20....	84	76	59	41	38	50	28	583	40	41	22	16
21....	81	79	55	43	39	46	28	625	45	37	23	19
22....	79	76	54	54	38	43	28	613	47	59	21	21
23....	84	74	55	48	39	42	28	571	48	52	20	19
24....	91	79	54	45	41	42	28	553	40	48	20	20
25....	91	81	54	41	40	41	26	577	56	43	22	20
26....	88	65	55	39	39	41	25	519	85	42	20	18
27....	93	69	51	43	41	42	24	475	86	39	20	18
28....	94	74	46	42	41	41	20	382	103	43	20	12
29....	90	69	53	42	....	39	12	376	102	41	20	12
30....	90	72	53	45	....	39	9.2	517	127	45	20	16
31....	91	....	51	41	....	38	....	629	....	41	20	....
Total	1953	2468	2003	1370	1104	1296	1133.2	8282.1	5001	1597	953	534
Mean.	63.0	82.3	64.6	44.2	39.4	41.8	37.8	267	167	51.5	30.7	17.8
Max..	133	95	83	54	42	51	71	629	664	107	56	21
Min..	22	65	46	33	35	31	9.2	5.9	32	20	20	12
Acre-ft.	3870	4900	3970	2720	2190	2570	2250	16430	9920	3170	1890	1060

Total run-off for period=54,940 acre-feet.

Discharge of Big Thompson River at Mouth Near LaSalle, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	20	25	52	51	41	32	46	168	32	36	24	7.5
2....	22	23	53	53	44	28	50	178	16	37	11	5.8
3....	13	21	50	49	44	34	51	194	7.5	58	6.0	5.2
4....	14	18	55	47	42	36	51	154	7.2	74	6.9	4.8
5....	12	23	64	45	37	36	50	137	8.7	57	11	4.6
6....	12	35	55	48	37	37	47	151	10	44	11	4.8
7....	14	44	55	41	37	34	45	197	24	46	9.8	5.0
8....	17	44	61	33	36	33	43	224	55	41	11	5.2
9....	17	48	61	40	35	35	40	232	51	39	9.8	5.0
10....	14	47	59	41	30	37	63	226	48	36	10	5.6
11....	15	45	58	41	28	34	83	244	197	70	9.4	5.6
12....	14	45	56	42	34	33	83	251	147	58	9.0	4.8
13....	22	46	57	43	35	33	100	270	52	49	8.7	5.2
14....	23	45	59	44	34	32	125	280	31	43	7.8	7.5
15....	27	43	54	45	31	32	111	270	24	77	6.6	8.4
16....	27	47	48	45	30	34	93	265	15	64	9.4	8.1
17....	23	48	49	47	33	35	99	254	28	50	9.4	7.8
18....	23	46	48	46	34	34	100	226	38	56	8.7	7.2
19....	24	48	45	39	32	36	112	200	38	54	7.2	7.2
20....	32	49	47	42	32	37	111	169	33	78	6.0	7.5
21....	37	46	49	41	33	36	100	147	31	84	6.0	7.8
22....	41	45	48	38	32	37	97	146	38	69	5.6	7.5
23....	39	38	44	41	31	43	84	101	31	62	5.8	6.9
24....	30	37	43	41	32	47	77	61	27	61	6.9	7.5
25....	29	41	46	39	32	46	78	48	41	51	6.6	7.8
26....	29	49	45	41	33	46	93	58	33	44	5.4	6.9
27....	25	51	43	40	34	46	83	76	30	37	6.0	6.9
28....	22	52	45	41	35	43	86	81	27	38	5.8	7.8
29....	18	52	44	37	33	41	92	92	33	33	4.8	8.1
30....	20	52	49	38	....	43	143	62	44	32	5.6	7.2
31....	27	....	50	39	....	43	....	51	....	31	6.9	....
Total	702	1253	1592	1318	1001	1153	2436	5213	1197.4	1609	258.1	197.2
Mean.	22.6	41.8	51.4	42.5	34.5	37.2	81.2	168	39.9	51.9	8.33	6.57
Max..	41	52	64	53	44	47	143	280	197	84	24	8.4
Min..	12	18	43	33	28	28	40	48	7.2	31	4.8	4.6
Acre-ft.	1390	2490	3160	2610	1990	2290	4830	10340	2380	3190	512	391

Total run-off for period=35,570 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of Cache La Poudre River at Mouth of Canyon Near Fort Collins, Colo., for
Year Ending Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	60	180	32	15	63	80	113	184	2420	1930	445	549
2....	56	187	10	12	64	64	162	895	3140	1570	445	542
3....	54	187	12	40	65	64	172	922	2760	1350	485	527
4....	60	180	11	44	64	66	172	1050	2270	1230	464	513
5....	60	180	11	48	58	75	162	1040	2110	1210	451	506
6....	58	169	10	56	50	78	214	904	1930	1180	432	506
7....	58	187	27	50	47	77	223	850	1860	1140	400	513
8....	54	183	37	56	42	68	241	809	1800	1110	384	542
9....	54	183	40	54	39	66	253	825	1800	1070	438	564
10....	56	159	39	48	38	66	258	967	2070	994	413	527
11....	58	128	34	44	38	54	284	1220	2240	931	379	506
12....	64	150	32	48	37	44	253	1300	2070	834	352	506
13....	253	143	30	46	37	22	276	1210	2000	776	308	513
14....	276	140	30	32	38	18	262	1210	1970	712	258	485
15....	134	75	28	21	44	18	266	1260	1860	688	289	271
16....	572	39	22	24	66	23	262	1250	1850	649	342	146
17....	1220	35	19	31	76	8.3	249	1410	1750	610	347	122
18....	850	37	11	30	78	9.2	253	1670	1970	557	327	113
19....	665	35	14	32	78	24	258	1740	2040	520	322	113
20....	572	35	10	36	75	22	266	1890	2070	520	303	116
21....	485	35	10	38	62	24	289	1730	2200	618	294	105
22....	451	44	11	40	45	15	303	1550	2290	665	342	92
23....	451	39	12	44	36	15	313	1430	2180	680	332	87
24....	395	40	15	50	35	14	332	1780	2130	641	332	80
25....	271	37	14	62	36	12	395	1620	2130	580	379	80
26....	199	39	14	66	37	12	534	1490	2210	542	363	80
27....	195	24	22	*69	94	12	499	1480	2060	492	337	77
28....	183	21	5.6	68	80	12	438	1630	1850	426	227	82
29....	180	28	19	67	....	24	485	1890	1700	478	183	84
30....	172	17	2.9	65	....	52	665	2110	2100	451	395	94
31....	169	....	15	64	....	18	....	2500	....	432	549	....
Total	8385	2936	599.5	1400	1522	1161.5	8855	42416	62830	25586	11317	9041
Mean.	270	97.9	19.3	45.2	54.4	37.5	295	1368	2094	825	365	301
Max.	1220	187	40	69	94	80	665	2500	3140	1930	549	564
Min.	54	17	2.9	12	35	8.3	113	784	1700	426	183	77
Ac.-ft.	16630	5820	1190	2780	3020	2300	17560	84130	124600	50750	22450	17930

Total run-off for period=349,200 acre-feet.

*Winter discharge measurement made on this day.

**Discharge of Cache La Poudre River at Mouth of Canyon Near Fort Collins, Colo., for
Year Ending Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	98	46	44	26	47	30	44	120	1750	1290	296	87
2....	103	35	46	27	48	30	42	66	1750	1190	251	76
3....	96	27	39	30	51	31	39	21	1700	1260	234	173
4....	89	40	37	26	56	30	42	12	1460	1160	180	278
5....	84	44	34	*25	66	29	52	10	1320	1090	156	282
6....	80	44	46	25	70	26	62	28	1240	1050	146	282
7....	74	32	42	24	80	21	66	218	1440	960	269	282
8....	76	28	44	22	79	*19	68	325	1590	775	311	269
9....	80	39	40	26	*67	20	98	316	1780	705	320	264
10....	80	44	41	26	60	21	91	341	2350	767	341	264
11....	78	48	43	25	50	21	78	372	2040	791	320	238
12....	78	46	44	25	52	21	125	458	1750	744	306	214
13....	84	44	42	27	52	23	166	414	1570	647	292	125
14....	82	44	49	30	50	24	218	470	1630	621	292	76
15....	84	40	47	34	50	23	230	546	1570	596	301	60
16....	87	40	49	35	49	20	395	602	1710	546	296	56
17....	87	39	50	37	49	22	378	863	1790	514	287	52
18....	87	39	54	47	49	23	356	744	1580	476	149	50
19....	84	40	53	46	50	22	378	584	1690	464	112	44
20....	78	37	50	44	43	28	383	527	1730	584	301	46
21....	54	40	49	42	31	30	414	713	1790	577	362	46
22....	42	39	42	44	31	34	367	839	1560	540	330	42
23....	50	39	32	45	33	46	218	1070	1230	476	341	39
24....	48	37	34	47	32	40	222	1400	1220	464	356	39
25....	48	40	37	50	34	34	238	1510	1220	464	367	40
26....	48	44	32	49	33	37	82	1280	1210	458	362	44
27....	48	12	28	46	35	22	115	1160	1480	414	367	40
28....	48	27	25	42	29	24	120	1100	1360	372	335	37
29....	48	27	27	43	28	24	100	1290	1370	341	156	37
30....	54	39	28	43	....	37	94	1510	1370	351	100	40
31....	54	....	27	45	....	39	....	1840	....	341	110	....
Total	2231	1140	1265	1103	1404	851	5281	20749	47250	21028	8346	3622
Mean.	72.0	38.0	40.5	35.6	48.4	27.5	176	669	1575	678	269	121
Max.	103	48	54	50	80	46	414	1840	2350	1290	367	282
Min.	42	12	25	22	28	19	39	10	1210	341	100	37
Ac.-ft.	4430	2260	2490	2190	2780	1690	10470	41160	93720	41710	16550	7180

Total run-off for period=226,600 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of Cache La Poudre River Near Mouth Near Greeley, Colo., for
Year Ending Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	26	109	104	78	113	102	70	524	791	102	46	16
2....	26	109	102	81	113	96	68	460	723	61	46	17
3....	25	109	100	82	105	104	66	384	868	50	35	17
4....	25	109	100	84	102	112	66	854	899	46	17	16
5....	27	109	100	85	102	108	65	791	715	44	18	17
6....	31	109	95	92	102	105	65	1520	707	43	19	20
7....	31	109	95	93	106	97	66	1610	659	33	18	19
8....	30	109	96	100	102	92	95	1490	567	35	18	19
9....	30	112	96	105	102	91	90	1370	374	70	18	19
10....	33	109	96	106	92	90	102	1440	190	74	19	18
11....	36	108	96	106	97	82	146	1510	228	67	17	17
12....	38	106	92	100	110	81	179	1530	365	60	14	19
13....	44	110	93	109	106	84	200	1460	384	28	14	32
14....	45	112	93	109	104	80	191	1460	363	24	14	63
15....	45	112	91	106	102	95	182	1400	267	22	14	64
16....	60	109	92	100	102	91	183	1310	215	20	14	66
17....	148	108	92	60	102	86	180	1140	259	19	15	63
18....	80	108	88	59	105	87	172	966	221	17	16	54
19....	50	102	82	67	101	93	132	363	363	17	15	31
20....	41	102	81	69	101	93	93	457	474	17	15	31
21....	44	109	81	87	100	93	187	731	607	17	15	29
22....	47	108	74	122	101	93	228	764	639	18	16	26
23....	49	108	75	128	101	94	212	773	575	17	16	27
24....	53	109	78	115	102	95	205	699	274	18	16	26
25....	52	110	84	105	104	97	230	773	161	18	17	24
26....	74	104	84	98	105	88	287	703	113	18	17	23
27....	105	104	78	106	104	81	411	579	144	19	17	24
28....	110	105	75	113	102	78	405	437	123	20	16	22
29....	113	105	75	109	....	74	352	468	65	19	16	22
30....	113	106	73	119	....	74	335	659	72	25	16	22
31....	110	....	73	123	....	73	....	735	....	45	16	....
Total	1741	3228	2734	3016	2888	2809	5263	29360	12405	1083	580	863
Mean.	56.2	108	88.2	97.3	103	90.6	175	947	414	34.9	18.7	28.8
Max..	148	112	104	128	113	112	411	1610	899	102	46	66
Min..	25	102	73	59	92	73	65	363	65	17	14	16
Acre-ft.	3450	6420	5420	5980	5730	5570	10440	58230	24600	2150	1150	1710

Total run-off for period=130,800 acre-feet.

**Discharge of Cache La Poudre River Near Mouth Near Greeley, Colo., for
Year Ending Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	22	41	89	70	68	70	89	104	14	53	13	11
2....	22	38	85	73	68	70	94	116	17	51	14	12
3....	22	39	85	74	67	71	92	114	22	54	14	12
4....	22	43	84	75	70	69	91	104	23	101	14	12
5....	21	39	83	69	70	69	87	105	24	92	14	12
6....	19	33	83	69	71	68	84	89	24	44	12	12
7....	19	38	83	69	74	63	82	64	31	38	10	12
8....	18	34	80	61	76	65	79	64	26	38	14	13
9....	24	31	88	69	74	67	79	63	50	33	43	12
10....	27	28	85	67	63	68	92	67	56	34	43	11
11....	29	28	84	62	62	67	110	74	85	102	43	10
12....	40	25	87	62	68	67	112	68	71	68	38	10
13....	39	23	82	62	67	68	122	65	69	41	12	12
14....	37	41	85	63	61	67	130	63	48	26	12	13
15....	39	55	85	62	67	69	120	56	45	22	12	16
16....	38	56	84	64	62	70	108	34	40	19	10	14
17....	41	56	82	65	63	70	114	149	33	19	10	21
18....	37	56	80	67	64	71	117	399	26	14	11	52
19....	38	55	83	67	62	73	125	330	23	14	10	50
20....	38	56	83	69	63	71	127	211	22	18	8.7	51
21....	35	61	83	69	67	74	125	69	22	32	8.7	50
22....	35	83	83	67	70	75	122	20	20	40	8.7	50
23....	37	85	80	70	69	84	112	9.4	21	24	9.4	36
24....	35	83	78	73	69	84	111	11	19	17	11	14
25....	33	87	79	73	70	80	112	17	14	17	10	12
26....	32	85	78	73	70	82	154	21	17	17	12	12
27....	36	85	75	64	71	79	119	21	11	15	12	12
28....	35	84	74	62	71	73	111	20	21	14	12	13
29....	28	88	76	69	71	74	112	28	23	12	12	13
30....	34	88	75	64	....	75	111	21	25	12	11	12
31....	42	....	74	68	....	80	....	20	....	12	11	....
Total	974	1644	2535	2091	1968	2233	3243	2596.4	955	1093	475.5	592
Mean.	31.4	54.8	81.8	67.5	67.9	72.0	108	83.8	31.8	35.3	15.3	19.7
Max..	42	88	89	75	76	84	154	399	85	102	43	52
Min..	18	23	74	61	61	63	79	9.4	14	12	8.7	10
Acre-ft.	1930	3260	5030	4150	3900	4430	6430	5150	1890	2170	943	1170

Total run-off for period=40,450 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Boxelder Creek Near Hudson, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0	0	0	0	0	0	0	0	0	0	0	0
2....	0	0	0	0	0	0	0	0	0	0	0	0
3....	0	0	0	0	0	0	0	0	0	0	0	0
4....	0	0	0	0	0	0	0	0	0	0	0	0
5....	0	0	0	0	0	0	0	0	0	0	7.0	0
6....	0	0	0	0	0	0	0	0	0	0	0.6	0
7....	0	0	0	0	0	0	0	0	0	0	0	0
8....	0	0	0	0	0	1.2	0	0	0	0	0	0
9....	0	0	0	0	0	0.4	0	0	0	0	0	0
10....	0	0	0	0	0	0.4	0	0	0	0	0	0
11....	0	0	0	0	0	0	0	0	0	0	0	0
12....	0	0	0	0	0	0	0	0	0	0	0	0
13....	0	0	0	0	0	0	0	0	0	0	0	0
14....	0	0	0	0	0	0	0	0	0	0	0	0
15....	0	0	0	0	0	0	0	0	0	0	0	0
16....	0	0	0	0	0	0	0	0	0	0	0	0
17....	0	0	0	0	0	0	0	0	0	0	0	0
18....	0	0	0	0	0	0	0	3.6	0	0	0	0
19....	0	0	0	0	0	0	0	0	0	0	0	0
20....	0	0	0	0	0	0	0	0	0	0	0	0
21....	0	0	0	0	0	0	0	0	0	0	0	0
22....	0	0	0	0	0	0	0	0	0	0.4	0	0
23....	0	0	0	2.0	0	0	0	0	0	0	0	0
24....	0	0	0	0	0	0	0	0	0	0	0	0
25....	0	0	0	0	0	0	0	0	0	0	0	0
26....	0	0	0	0	0	0	0	0	0	0	0	0
27....	0	0	0	0	0	0	0	0	0	0	0	0
28....	0	0	0	0	0	0	0	0	0	0	0	0
29....	0	0	0	0	....	0	0	0	0	0	0	0
30....	0	0	0	0	....	0	0	0	0	0	0	0
31....	0	....	0	0	....	0	....	0	....	0	0	....
Total	0	0	0	2.0	0	2.0	0	0.6	0	0.4	7.6	0
Mean.	0	0	0	0.06	0	0.06	0	0.02	0	0.01	0.25	0
Max..	0	0	0	2	0	1.2	0	0.6	0	0.4	7.0	0
Min..	0	0	0	0	0	0	0	0	0	0	0	0
Acre-ft.	0	0	0	4.0	0	4.0	0	1.2	0	0.8	15	0

Total run-off for period=25 acre-feet.

Discharge of Boxelder Creek Near Hudson, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0	0	0	0	0	0	0	0.5	0	0	0	0
2....	0	0	0	0	0	0	0	5.4	0	0	0	0
3....	0	0	0	0	0	0	0	9.5	0	0	0	0
4....	0	0	0	0	0	0	0	2.3	0	0	0	0
5....	0	0	0	0	0	0	0	1.7	0	0	0	0
6....	0	0	0	0	0	0	0	0.6	0	0	0	0
7....	0	0	0	0	0	0	0	0	0	0	0	0
8....	0	0	0	0	0	0	0	2.0	0	0	0	0
9....	0	0	0	0	0	0	0	0	0	0	0	0
10....	0	0	0	0	0	0	0	0	0	0	0	0
11....	0	0	0	0	0	0	3.2	0	0	5.8	0	0
12....	0	0	0	0	0	0	3.4	0	0	25	0	0
13....	0	0	0	0	0	0	5.9	0	0	1.0	0	0
14....	0	0	0	0	0	0	26	0	0	0	0	0
15....	0	0	0	0	0	0	15	0	0	278	0	0
16....	0	0	0	0	0	0	7.9	0	0	61	0	0
17....	0	0	0	0	0	0	6.8	0	0	0	0	0
18....	0	0	0	0	0	0	7.9	0	0	0	0	0
19....	0	0	0	0	0	0	5.3	0	0	6.4	0	0
20....	0	0	0	0	0	0	6	0	0	8.2	0	0
21....	0	0	0	0	0	0	3.9	0	0	0	0	0
22....	0	0	0	0	0	0	3.6	0	0	0	0	0
23....	0	0	0	0	0	0	5.6	0	0	0	0	0
24....	0	0	0	0	0	0	2	0	0	0	0	0
25....	0	0	0	0	0	0	2.1	0	0	0	0	0
26....	0	0	0	0.6	0	0	50	0	0	0	0	0
27....	0	0	0	0	0	0	26	0	0	0	0	0
28....	0	0	0	0	0	0	9.7	0	0	0	0	0
29....	0	0	0	0	0	0	6.2	0	0	0	0	0
30....	0	0	0	0	....	0	4.1	0	0	0	0	0
31....	0	....	0	0	....	0	....	0	....	0	0	....
Total	0	0	0	0.6	0	0	200.6	22.0	0	385.4	0	0
Mean.	0	0	0	0.02	0	0	6.69	0.71	0	12.4	0	0
Max..	0	0	0	0.6	0	0	50	9.5	0	278	0	0
Min..	0	0	0	0	0	0	0	0	0	0	0	0
Acre-ft.	0	0	0	1.2	0	0	398	44	0	764	0	0

Total run-off for period=1,207 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of North Fork of Republican River Near Wray, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	20	24	24	23	21	19	23	25	21	18	15	14
2....	20	23	23	24	21	19	23	24	22	18	15	14
3....	20	23	23	23	21	19	23	24	24	18	15	15
4....	20	23	23	23	21	20	22	24	25	18	15	15
5....	20	23	23	23	22	21	22	24	24	17	16	15
6....	21	23	23	23	21	22	22	24	21	17	15	15
7....	21	23	23	23	21	24	22	24	22	17	15	16
8....	21	23	23	23	21	24	22	28	22	17	15	17
9....	21	23	23	24	21	26	23	31	21	17	15	16
10....	21	23	23	23	21	26	23	26	20	17	15	16
11....	21	23	23	23	21	24	23	23	21	17	15	16
12....	21	23	24	23	22	24	22	22	22	16	15	16
13....	26	22	23	23	22	24	22	21	23	16	15	15
14....	37	23	23	24	22	23	22	23	26	17	15	15
15....	41	22	23	24	21	23	22	25	23	16	16	15
16....	38	22	23	24	22	24	21	25	23	16	16	15
17....	28	22	23	23	22	24	24	25	20	17	14	15
18....	26	22	23	24	21	24	23	23	19	16	13	15
19....	26	22	23	26	21	24	22	22	19	17	12	15
20....	26	22	23	23	21	24	22	21	19	17	13	16
21....	25	24	22	23	21	24	23	21	20	17	13	16
22....	25	23	23	25	20	24	23	21	21	16	13	15
23....	25	24	23	25	20	24	24	21	21	16	13	16
24....	26	26	23	24	19	24	25	21	20	16	13	15
25....	25	27	23	22	19	24	25	22	19	15	14	15
26....	24	26	24	22	20	24	24	21	19	15	14	14
27....	24	25	23	22	20	24	24	21	19	15	14	14
28....	25	25	23	21	19	23	25	21	18	15	14	15
29....	24	23	23	22	....	23	25	21	18	15	14	15
30....	24	24	24	22	....	23	25	21	18	15	13	15
31....	24	....	23	21	....	23	....	21	....	15	13	....
Total	766	701	716	718	584	718	691	716	630	509	443	456
Mean.	24.7	23.4	23.1	23.2	20.9	23.2	23.0	23.1	21.0	16.4	14.3	15.2
Max..	41	27	24	26	22	26	25	31	26	18	16	17
Min..	20	22	22	21	19	19	21	21	18	15	12	14
Acre-ft.	1520	1390	1420	1420	1160	1420	1370	1420	1250	1010	879	904

Total run-off for period=15,160 acre-feet.

Discharge of North Fork of Republican River Near Wray, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	16	21	22	22	24	22	25	25	25	20	17	16
2....	16	21	22	22	24	23	24	43	24	20	18	16
3....	16	21	22	22	24	23	23	48	21	19	18	16
4....	16	20	22	23	24	24	23	28	23	18	17	16
5....	17	20	22	23	*24	25	23	23	22	19	17	17
6....	17	21	22	23	24	23	22	23	22	18	18	17
7....	17	21	22	23	24	23	22	22	23	17	18	17
8....	17	20	22	23	25	22	22	21	26	16	18	16
9....	18	20	22	24	25	22	22	22	24	15	17	17
10....	18	21	22	24	25	22	24	23	24	14	17	17
11....	17	20	23	25	24	22	30	23	22	15	17	17
12....	18	21	23	25	24	21	31	23	21	16	17	17
13....	19	21	26	24	22	20	25	23	22	16	16	17
14....	19	21	23	24	22	20	25	23	22	16	16	17
15....	19	20	23	24	22	20	24	22	23	17	17	17
16....	20	21	25	24	22	20	23	24	21	19	17	18
17....	20	21	23	23	22	21	23	24	20	18	18	17
18....	20	21	23	24	22	22	25	22	20	18	17	17
19....	20	21	23	24	22	22	31	22	17	18	18	17
20....	20	22	22	24	22	22	30	22	16	19	17	17
21....	20	21	23	24	22	22	31	23	17	19	16	17
22....	20	21	23	24	23	20	34	24	17	19	17	17
23....	20	22	22	24	24	22	50	23	16	18	53	17
24....	20	22	22	24	24	30	35	24	18	18	50	17
25....	20	22	23	24	24	28	27	23	17	19	22	17
26....	21	22	22	25	25	25	26	23	17	18	19	17
27....	22	22	22	26	24	23	25	25	17	18	19	18
28....	20	22	22	26	23	23	24	29	19	17	16	17
29....	20	22	22	25	23	23	34	32	20	17	18	17
30....	22	22	22	25	....	23	30	25	20	17	17	18
31....	22	....	22	25	....	25	....	28	....	16	16	....
Total	587	633	699	742	679	703	813	785	616	544	608	508
Mean.	18.9	21.1	22.5	23.9	23.4	22.7	27.1	25.3	20.5	17.5	19.6	16.9
Max..	22	22	26	26	25	30	50	48	26	20	53	18
Min..	16	20	22	22	22	20	22	21	16	14	16	16
Acre-ft.	1160	1260	1390	1470	1350	1390	1610	1560	1220	1080	1210	1010

Total run-off for period=15,710 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of North Fork of Republican River at Colorado-Nebraska State Line for
Year Ending Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	37	70	70	69	61	61	62	50	25	6.5	4.3	9.3
2....	37	70	70	65	64	59	67	50	18	5.7	4.6	7.7
3....	38	70	74	65	64	62	74	53	20	5.7	5.7	17
4....	37	65	74	65	64	72	65	61	23	6.9	6.1	10
5....	37	67	74	64	64	72	65	59	14	6.5	10	10
6....	38	70	74	64	64	60	67	53	23	4.9	9.3	9.9
7....	37	79	76	64	65	65	69	59	29	4.3	6.1	10
8....	38	70	70	65	65	70	84	77	32	5.7	5.7	11
9....	40	67	72	65	65	74	79	81	33	10	6.1	12
10....	37	67	74	69	64	64	67	65	45	6.5	6.5	13
11....	36	67	70	67	65	59	72	45	50	6.1	22	14
12....	36	67	72	61	77	65	77	40	40	5.7	5.7	16
13....	40	62	76	64	76	62	70	48	82	5.3	4.9	17
14....	72	62	74	65	70	62	65	57	74	5.3	4.9	17
15....	113	67	74	69	69	64	65	57	53	5.7	5.7	14
16....	119	62	70	65	69	64	67	44	47	6.9	6.1	11
17....	121	59	69	59	69	61	64	50	25	7.7	6.9	9.3
18....	92	64	70	50	69	62	57	53	24	6.5	7.7	13
19....	82	65	69	50	69	62	57	42	19	6.9	6.1	27
20....	86	59	69	55	67	61	59	38	15	6.5	6.1	19
21....	81	62	65	*60	64	64	59	42	18	6.5	5.3	21
22....	76	62	69	65	61	65	56	51	15	6.5	4.6	20
23....	72	65	70	67	61	62	56	48	12	6.1	5.7	21
24....	72	74	69	70	61	65	62	57	10	4.9	6.1	23
25....	76	70	70	76	61	67	59	36	7.7	5.3	6.1	21
26....	74	62	69	76	64	64	57	42	6.5	5.3	5.7	41
27....	76	65	64	72	64	61	54	38	6.5	6.5	6.1	14
28....	75	69	69	69	62	62	54	31	6.5	6.9	5.7	18
29....	75	65	69	69	....	65	62	29	7.3	6.5	5.3	23
30....	75	72	69	67	....	67	56	37	7.7	4.9	6.1	19
31....	75	....	67	62	....	62	....	33	....	4.9	7.3	....
Total	2000	1995	2191	2013	1838	1985	1927	1526	788.2	189.6	204.5	488.2
Mean	64.5	66.5	70.7	64.9	65.6	64.0	64.2	49.2	26.3	6.12	6.60	16.3
Max..	121	79	76	76	77	74	84	81	82	10	6.60	41
Min..	36	59	64	50	61	59	54	29	6.5	4.3	4.3	7.7
Acre-ft.	3970	3960	4350	3990	3650	3940	3820	3030	1560	376	406	968

Total run-off for period=34,020 acre-feet.

*Winter discharge measurement made on this day.

**Discharge of North Fork of Republican River at Colorado-Nebraska State Line for
Year Ending Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	24	31	62	70	50	76	77	81	54	12	25	14
2....	17	36	65	70	55	79	74	94	50	7.3	40	14
3....	20	51	67	70	60	77	74	128	33	7.3	14	15
4....	14	44	70	65	62	77	76	99	20	17	10	14
5....	13	37	62	65	59	79	79	86	25	8.2	9.3	18
6....	17	40	61	70	61	76	70	84	27	7.3	9.9	16
7....	23	42	64	60	65	74	69	81	29	7.7	8.2	15
8....	24	38	65	55	70	70	72	81	65	7.7	6.9	14
9....	18	38	69	55	72	67	74	82	59	7.3	5.7	14
10....	17	36	72	55	70	64	86	81	36	12	5.7	32
11....	23	36	65	*55	65	67	99	79	28	25	7.7	22
12....	33	38	72	55	55	64	95	76	56	18	8.2	17
13....	36	41	74	55	55	64	90	74	53	27	7.7	17
14....	36	38	76	60	60	62	86	72	48	33	5.3	18
15....	36	37	75	60	76	61	79	72	42	31	6.5	18
16....	36	36	77	64	69	62	69	72	36	62	6.5	18
17....	32	44	76	62	70	65	72	70	19	48	6.5	19
18....	34	61	76	65	70	62	79	70	19	37	7.3	23
19....	45	56	76	65	70	59	88	70	21	36	7.7	18
20....	61	57	79	65	70	70	90	62	19	56	8.2	2.2
21....	44	57	81	67	70	74	92	54	17	47	7.7	23
22....	32	59	74	70	70	92	95	53	12	51	15	27
23....	28	54	67	72	69	84	123	54	8.2	53	15	27
24....	29	54	69	74	72	101	99	53	7.7	84	15	28
25....	32	59	76	72	76	103	86	50	7.7	64	15	28
26....	32	57	74	79	72	90	82	51	6.5	62	15	29
27....	33	53	76	70	77	88	79	57	6.5	54	15	26
28....	31	59	74	60	76	84	74	70	7.3	42	15	28
29....	31	59	76	55	74	77	81	67	8.2	36	15	29
30....	32	62	75	55	....	77	88	64	8.7	31	15	33
31....	32	....	75	50	....	84	....	61	....	27	15	....
Total	915	1410	2220	1965	1940	2329	2497	2248	828.8	1017.8	364.0	636
Mean	29.5	47.0	71.6	63.4	66.9	75.1	83.2	72.5	27.6	32.8	11.7	21.2
Max..	61	62	81	79	77	103	123	128	84	65	84	34
Min..	13	31	61	50	50	59	69	50	6.5	7.3	5.3	13
Acre-ft.	1810	2800	4400	3900	3850	4620	4950	4460	1640	2020	722	1260

Total run-off for period=36,430 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Grizzly Creek Near Walden, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	3.2	16	....	....	....	....	220	412	348	153	21	8.5
2....	3.9	16	....	....	....	....	220	417	412	106	18	7.5
3....	3.6	18	....	....	....	....	220	399	511	74	22	7.0
4....	3.2	20	....	....	....	....	220	384	406	57	25	6.2
5....	2.8	18	....	....	....	....	220	379	261	50	23	5.6
6....	2.8	16	....	....	....	....	220	390	183	43	21	5.0
7....	3.2	17	....	....	....	....	220	275	145	33	20	4.5
8....	3.6	19	....	....	....	....	220	202	140	28	20	4.2
9....	3.2	19	....	....	....	....	110	188	134	25	22	3.9
10....	3.2	18	....	....	....	....	135	221	140	22	21	3.6
11....	3.6	16	....	....	....	....	114	166	132	22	19	3.4
12....	3.9	19	....	....	....	....	109	141	127	16	16	3.2
13....	5.3	19	....	....	....	....	108	141	138	13	15	3.0
14....	6.5	18	....	....	....	....	117	134	135	12	13	2.8
15....	8.0	17	....	....	....	....	137	135	142	12	12	2.7
16....	8.5	17	....	....	....	....	186	161	138	10	11	2.6
17....	7.5	16	....	....	....	....	206	142	114	10	10	2.5
18....	7.0	16	....	....	....	....	219	116	88	11	11	2.6
19....	7.0	....	....	....	....	....	239	123	84	11	12	3.0
20....	6.5	....	....	....	....	....	290	111	80	9.0	11	3.5
21....	7.0	....	....	....	....	....	328	94	83	8.0	12	3.0
22....	7.0	....	....	....	....	....	348	94	78	17	12	2.5
23....	8.5	....	....	....	....	....	359	68	74	23	10	2.1
24....	7.0	....	....	....	....	....	415	88	60	27	11	1.9
25....	7.5	....	....	....	....	....	441	84	46	23	9.5	1.6
26....	9.5	....	....	....	....	....	456	96	71	19	8.5	1.5
27....	13	....	....	....	....	....	424	111	97	18	7.5	1.4
28....	14	....	....	....	....	....	346	127	78	16	7.5	1.2
29....	16	....	....	....	....	....	336	169	72	19	6.5	1.1
30....	22	....	....	....	....	....	390	392	123	22	7.0	1.0
31....	16	....	....	....	....	....	....	384	....	21	7.5	....
Total	224.0	315	....	....	....	....	7573	6344	4640	930.0	442.0	102.6
Mean.	7.23	17.5	....	....	....	....	252	205	155	30.0	14.3	3.42
Max..	22	20	....	....	....	....	456	417	511	153	25	8.5
Min..	2.8	16	....	....	....	....	....	68	46	8.0	6.5	1.0
Acre-ft.	444	625	....	....	....	....	15020	12580	9200	1840	877	204

Total run-off for period=40,790 acre-feet.

Discharge of Grizzly Creek Near Walden, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0	13	....	....	....	....	....	43	226	27	2.3	0
2....	0	13	....	....	....	....	....	41	201	25	1.9	0
3....	0	13	....	....	....	....	....	42	223	24	1.6	0
4....	0	13	....	....	....	....	....	42	209	25	1.0	0
5....	0	13	....	....	....	....	....	42	202	26	0.6	0
6....	0	13	....	....	....	....	....	44	198	26	0.4	0.1
7....	0	13	....	....	....	....	....	66	182	26	0.3	0.2
8....	0	13	....	....	....	....	....	99	239	25	0.2	0.2
9....	0	13	....	....	....	....	....	135	230	22	0.2	0.2
10....	0	*13	....	....	....	....	....	206	193	23	0.1	0
11....	5	....	....	....	....	....	Apr. 13	252	183	23	0.1	0
12....	5	13	....	....	....	....	to 30	252	175	22	0.1	0
13....	5	13	....	....	....	116	300	177	19	0.1	0	0
14....	5	13	....	....	....	112	304	167	19	0	0	0
15....	5	13	....	....	....	110	310	151	15	0	0	0
16....	5	Nov. 1	....	....	....	120	284	112	13	0	0	0
17....	5	to 15	....	....	....	129	266	93	13	0	0	0
18....	5	....	....	....	....	148	221	84	10	0	0	0
19....	5	....	....	....	....	122	219	68	7.0	0	0	0
20....	5	....	....	....	....	120	316	56	7.0	0	0	0
21....	5	....	....	....	....	106	351	49	7.0	0	0	0
22....	5	....	....	....	....	85	282	47	6.5	0	0	0
23....	5	....	....	....	....	63	228	41	5.3	0	0	0
24....	5	....	....	....	....	60	223	36	4.2	0.1	0	0
25....	5	....	....	....	....	54	217	31	3.6	0.2	0	0
26....	5	....	....	....	....	43	223	34	4.2	0.2	0	0
27....	5	....	....	....	....	35	198	34	4.2	0.2	0	0
28....	5	....	....	....	....	37	191	41	5.3	0.2	0	0
29....	5	....	....	....	....	45	204	39	4.2	0.1	0	0
30....	5	....	....	....	....	40	204	34	3.2	0	0	0
31....	5	....	....	....	....	....	225	....	2.5	0	....	....
Total	105	195	....	....	....	....	1545	6030	3755	447.2	9.9	0.7
Mean.	3.39	13	....	....	....	....	85.8	195	125	14.4	0.32	0.02
Max..	....	....	....	....	....	....	148	351	239	27	2.3	0.2
Min..	....	....	....	....	....	....	35	41	31	2.5	0	0
Acre-ft.	208	387	....	....	....	....	3060	11960	7450	887	20	1.4

Total run-off for period=23,970 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Little Grizzly Creek at Mouth Near Hebron, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	4.0	9.6	....	....	....	....	150	282	435	278	17	7.2
2....	5.0	11	....	....	....	....	150	293	479	159	17	6.6
3....	3.7	13	....	....	....	....	150	296	424	130	30	4.5
4....	4.0	13	....	....	....	....	150	309	284	111	30	4.1
5....	4.5	14	....	....	....	....	150	336	188	88	23	3.4
6....	5.0	14	....	....	....	....	150	304	141	65	20	3.0
7....	5.0	17	....	....	....	....	150	235	149	57	20	3.0
8....	5.5	11	....	....	....	....	150	200	205	44	20	3.0
9....	6.0	11	....	....	....	....	127	228	260	45	21	3.0
10....	6.0	10	....	....	....	....	143	204	291	34	17	3.0
11....	6.5	9.6	....	....	....	....	120	128	300	44	15	3.0
12....	7.0	12	....	....	....	....	116	119	286	37	15	2.6
13....	7.5	11	....	....	....	....	116	92	280	29	14	2.6
14....	8.0	10	....	....	....	....	124	85	248	42	12	2.2
15....	9.0	7.0	....	....	....	....	133	93	239	37	11	2.2
16....	8.5	11	....	....	....	....	157	100	219	34	9.3	2.2
17....	8.5	11	....	....	....	....	168	96	183	37	9.3	2.6
18....	8.0	8.5	....	....	....	....	183	90	199	31	9.3	3.0
19....	7.0	Nov. 1	....	....	....	....	196	114	255	30	9.3	5.2
20....	6.5	to 18	....	....	....	....	224	82	275	28	7.9	5.9
21....	6.5	....	....	....	....	....	233	67	287	28	6.6	5.9
22....	6.5	....	....	....	....	....	226	65	291	41	6.6	5.9
23....	8.0	....	....	....	....	....	242	61	293	45	6.6	4.8
24....	8.5	....	....	....	....	....	251	82	291	39	6.6	3.7
25....	8.5	....	....	....	....	....	264	104	305	33	7.2	3.4
26....	9.6	....	....	....	....	....	248	128	338	27	6.6	3.7
27....	9.6	....	....	....	....	....	191	159	291	24	5.9	3.7
28....	9.6	....	....	....	....	....	173	223	251	21	4.8	3.7
29....	9.6	....	....	....	....	....	183	300	268	19	4.1	4.1
30....	9.0	....	....	....	....	....	239	398	362	18	4.5	4.1
31....	10	....	....	....	....	....	....	422	....	17	5.2	....
Total	220.6	203.7	....	....	....	....	5257	5695	8257	1672	391.8	115.3
Mean.	7.12	11.3	....	....	....	....	175	184	275	53.9	12.6	3.84
Max..	10	17	....	....	....	....	264	422	479	278	30	7.2
Min..	3.7	7.0	....	....	....	....	....	61	141	17	4.1	2.2
Acre-ft.	438	404	....	....	....	....	10430	11300	16380	3320	777	229

Total run-off for period=43,280 acre-feet.

Discharge of Little Grizzly Creek at Mouth Near Hebron, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	4.1	16	....	....	....	....	....	47	318	157	3.7	0.8
2....	4.1	20	....	....	....	....	....	47	274	109	4.8	0.8
3....	4.1	21	....	....	....	....	....	48	280	86	6.6	0.8
4....	4.5	16	....	....	....	....	....	47	209	71	6.6	0.8
5....	4.8	15	....	....	....	....	....	47	184	59	6.6	0.6
6....	4.8	18	....	....	....	....	....	48	141	51	4.8	0.6
7....	4.8	21	....	....	....	....	....	48	155	36	4.5	0.6
8....	5.2	15	....	....	....	....	....	81	231	25	4.1	0.4
9....	5.2	12	....	....	....	....	....	89	200	20	3.7	0.4
10....	5.9	11	....	....	....	....	....	95	234	17	3.7	0.4
11....	6.6	12	....	....	....	....	Apr. 13	67	274	14	3.4	0.3
12....	7.2	Nov. 1	....	....	....	....	to 30	100	286	14	2.6	0.3
13....	7.9	to 11	....	....	....	....	81	131	264	13	2.2	0.3
14....	7.9	....	....	....	....	....	76	138	254	12	2.2	0.2
15....	8.6	....	....	....	....	....	66	170	234	11	2.2	0.2
16....	8.6	....	....	....	....	....	58	155	223	10	2.2	0.2
17....	8.6	....	....	....	....	....	46	168	197	9.3	2.2	0.2
18....	7.9	....	....	....	....	....	38	112	162	14	2.2	0.2
19....	9.3	....	....	....	....	....	48	205	155	19	3.4	0.3
20....	11	....	....	....	....	....	33	244	202	20	3.4	0.3
21....	12	....	....	....	....	....	60	205	223	20	3.4	0.4
22....	14	....	....	....	....	....	46	150	211	18	3.0	0.6
23....	14	....	....	....	....	....	48	139	179	17	2.6	0.6
24....	12	....	....	....	....	....	46	168	168	18	1.5	0.8
25....	12	....	....	....	....	....	46	200	200	19	1.9	0.8
26....	12	....	....	....	....	....	46	152	218	16	1.5	0.8
27....	12	....	....	....	....	....	46	131	200	13	1.5	0.8
28....	13	....	....	....	....	....	50	133	131	10	1.5	0.9
29....	16	....	....	....	....	....	48	189	116	8.6	1.0	0.9
30....	17	....	....	....	....	....	47	262	123	5.9	1.2	1.5
31....	18	....	....	....	....	....	....	324	....	4.5	0.9	....
Total	283.1	177	....	....	....	....	929	4140	6246	917.3	95.1	16.8
Mean.	91.3	16.1	....	....	....	....	51.6	134	208	29.6	3.07	0.56
Max..	18	21	....	....	....	....	81	324	318	157	6.6	1.5
Min..	4.1	11	....	....	....	....	33	47	116	4.5	0.9	0.2
Acre-ft.	562	351	....	....	....	....	1840	8210	12390	1820	189	33

Total run-off for period=25,400 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Roaring Fork Near Walden, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	13	12	....	....	....	....	145	161	541	382	88	42
2....	13	16	....	....	....	....	145	163	505	258	87	35
3....	13	....	....	....	....	....	145	156	285	224	108	29
4....	13	....	....	....	....	....	145	167	165	180	96	27
5....	13	....	....	....	....	....	145	182	101	125	84	25
6....	13	....	....	....	....	....	145	151	70	108	88	25
7....	12	....	....	....	....	....	145	103	70	95	76	25
8....	12	....	....	....	....	....	158	68	120	87	80	25
9....	12	....	....	....	....	....	152	90	194	86	87	24
10....	12	....	....	....	....	....	147	69	240	75	76	25
11....	11	....	....	....	....	....	95	35	310	62	75	25
12....	10	....	....	....	....	....	87	32	300	52	70	23
13....	12	....	....	....	....	....	96	31	290	45	64	23
14....	12	....	....	....	....	....	114	29	280	45	57	23
15....	12	....	....	....	....	....	140	34	220	50	53	21
16....	11	....	....	....	....	....	158	35	133	57	54	20
17....	13	....	....	....	....	....	158	34	124	52	54	19
18....	12	....	....	....	....	....	156	33	169	50	52	20
19....	11	....	....	....	....	....	160	42	252	54	47	25
20....	11	....	....	....	....	....	208	32	320	56	46	23
21....	11	....	....	....	....	....	220	26	380	59	47	21
22....	11	....	....	....	....	....	212	25	406	114	57	20
23....	12	....	....	....	....	....	190	20	426	120	54	20
24....	13	....	....	....	....	....	200	27	433	108	54	20
25....	12	....	....	....	....	....	244	36	502	96	66	20
26....	13	....	....	....	....	....	228	59	526	87	52	20
27....	14	....	....	....	....	....	176	130	452	84	47	20
28....	14	....	....	....	....	....	145	200	402	78	40	22
29....	13	....	....	....	....	....	138	311	318	84	36	19
30....	10	....	....	....	....	....	122	435	478	84	38	19
31....	9.0	....	....	....	....	....	....	498	....	86	44	....
Total	373.0	....	....	....	....	....	4719	3414	9012	3143	1977	705
Mean.	12.0	....	....	....	....	....	157	110	300	101	63.8	23.5
Max..	14	....	....	....	....	....	244	498	541	382	108	42
Min..	9.0	....	....	....	....	....	....	20	70	45	36	19
Acre-ft.	740	....	....	....	....	....	9360	6770	17880	6230	3920	1400

Total run-off for period=46,300 acre-feet.

Discharge of Roaring Fork Near Walden, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	15	14	....	....	....	....	27	42	142	124	44	20
2....	14	13	....	....	....	....	27	36	158	119	43	20
3....	15	17	....	....	....	....	27	26	136	88	42	19
4....	16	17	....	....	....	....	27	26	85	88	41	19
5....	18	16	....	....	....	....	27	30	72	79	38	17
6....	19	14	....	....	....	....	27	37	47	75	38	15
7....	19	12	....	....	....	....	27	46	58	59	37	14
8....	18	11	....	....	....	....	27	40	90	49	36	13
9....	18	9	....	....	....	....	27	52	108	46	35	14
10....	18	14	....	....	....	....	27	66	156	43	35	13
11....	19	16	....	....	....	....	27	49	208	49	34	13
12....	19	14	....	....	....	....	27	68	214	42	33	14
13....	18	14	....	....	....	....	27	79	180	36	30	14
14....	17	14	....	....	....	....	27	111	170	33	30	12
15....	18	12	....	....	....	....	47	130	156	32	30	12
16....	18	11	....	....	....	....	36	111	167	34	30	11
17....	15	11	....	....	....	....	27	100	132	36	26	11
18....	14	14	....	....	....	....	32	76	92	37	26	12
19....	15	14	....	....	....	....	38	73	100	38	29	14
20....	16	Nov. 1	....	....	....	....	37	54	145	51	27	14
21....	16	to 19	....	....	....	....	32	37	182	52	24	12
22....	17	....	....	....	....	....	29	23	178	44	24	11
23....	17	....	....	....	....	....	28	24	149	43	23	11
24....	16	....	....	....	....	....	33	43	158	49	23	11
25....	17	....	....	....	....	....	40	58	202	65	25	10
26....	17	....	....	....	....	....	37	43	234	54	23	9.5
27....	18	....	....	....	....	....	44	37	200	58	21	9.0
28....	18	....	....	....	....	....	38	40	132	55	20	9.0
29....	17	....	....	....	....	....	34	70	102	52	20	8.5
30....	17	....	....	....	....	....	36	119	108	52	20	11
31....	16	....	....	....	....	....	....	156	....	46	20	....
Total	525	257	....	....	....	....	946	1902	4261	1738	927	393.0
Mean.	16.9	13.5	....	....	....	....	31.5	61.4	142	56.1	29.9	13.1
Max..	19	17	....	....	....	....	....	156	234	124	44	20
Min..	14	9	....	....	....	....	....	26	47	32	20	8.5
Acre-ft.	1040	510	....	....	....	....	1880	3770	8450	3450	1840	780

Total run-off for period=21,720 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of North Platte River Near Walden, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	23	44	....	....	....	....	550	859	1320	980	144	67
2....	24	48	....	....	....	....	550	895	1540	656	135	59
3....	26	51	....	....	....	....	550	864	1460	499	166	51
4....	24	50	....	....	....	....	550	877	1040	418	169	46
5....	23	38	....	....	....	....	550	908	668	334	152	40
6....	23	39	....	....	....	....	550	913	482	280	146	39
7....	24	38	....	....	....	....	550	728	426	244	129	37
8....	24	43	....	....	....	....	524	524	510	206	135	34
9....	26	48	....	....	....	....	432	552	644	201	142	33
10....	26	36	....	....	....	....	468	572	740	173	129	31
11....	26	34	....	....	....	....	349	415	760	154	122	29
12....	26	Nov. 1	....	....	....	....	322	352	732	131	116	29
13....	31	to 11	....	....	....	....	325	346	728	113	108	28
14....	35	....	....	....	....	....	346	307	672	113	98	26
15....	35	....	....	....	....	....	415	307	652	116	92	25
16....	38	....	....	....	....	....	510	349	648	119	90	24
17....	40	....	....	....	....	....	556	337	528	118	92	23
18....	36	....	....	....	....	....	576	295	516	114	88	23
19....	33	....	....	....	....	....	608	337	664	122	86	29
20....	32	....	....	....	....	....	692	304	744	126	82	30
21....	31	....	....	....	....	....	752	232	814	146	78	29
22....	28	....	....	....	....	....	760	222	864	194	89	28
23....	32	....	....	....	....	....	792	184	868	213	80	26
24....	36	....	....	....	....	....	864	216	864	194	83	25
25....	34	....	....	....	....	....	931	244	913	175	95	25
26....	36	....	....	....	....	....	940	328	1040	154	84	26
27....	43	....	....	....	....	....	859	373	950	142	76	25
28....	45	....	....	....	....	....	712	438	814	133	69	26
29....	45	....	....	....	....	....	680	692	684	131	63	26
30....	37	....	....	....	....	....	752	1020	965	137	67	26
31....	42	....	....	....	....	....	....	1210	....	137	71	....
Total	984	469	....	....	....	....	18015	16250	24250	6973	3276	965
Mean..	31.7	42.6	....	....	....	....	600	524	808	225	106	32.2
Max..	45	51	....	....	....	....	940	1210	1540	980	169	67
Min..	23	34	....	....	....	....	....	184	426	113	63	23
Acre-ft.	1950	930	....	....	....	....	35730	32230	48100	13830	6500	1916

Total run-off for period=141,200 acre-feet.

Discharge of North Platte River Near Walden, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	22	50	....	....	....	....	....	201	768	412	66	25
2....	19	33	....	....	....	....	....	210	686	357	63	24
3....	20	37	....	....	....	....	....	213	698	324	64	21
4....	21	34	....	....	....	....	....	219	598	279	62	21
5....	22	49	....	....	....	....	....	225	518	243	59	21
6....	23	43	....	....	....	....	....	228	454	219	56	20
7....	22	38	....	....	....	....	....	249	436	180	53	18
8....	21	32	....	....	....	....	....	273	590	141	51	18
9....	23	34	....	....	....	....	....	312	622	116	50	18
10....	24	*36	....	....	....	....	....	422	638	108	48	18
11....	26	Nov. 1	....	....	....	....	....	461	746	116	47	16
12....	27	to 10	....	....	....	....	....	468	764	108	44	16
13....	29	....	....	....	....	....	....	546	719	103	42	16
14....	30	....	....	....	....	....	....	598	686	92	40	16
15....	31	....	....	....	....	....	....	654	666	83	40	15
16....	31	....	....	....	....	....	540	610	610	77	40	14
17....	29	....	....	....	....	....	461	590	538	74	37	14
18....	26	....	....	....	....	....	249	566	444	77	36	14
19....	26	....	....	....	....	....	190	610	422	84	39	16
20....	29	....	....	....	....	....	168	654	489	100	38	16
21....	31	....	....	....	....	....	165	646	558	110	36	14
22....	37	....	....	....	....	....	145	522	546	98	35	14
23....	37	....	....	....	....	....	133	422	486	90	33	14
24....	35	....	....	....	....	....	127	447	458	95	32	14
25....	37	....	....	....	....	....	139	503	522	111	36	14
26....	37	....	....	....	....	....	141	282	606	97	33	12
27....	37	....	....	....	....	....	152	402	590	92	31	12
28....	37	....	....	....	....	....	160	387	444	89	30	12
29....	42	....	....	....	....	....	175	440	366	84	28	12
30....	48	....	....	....	....	....	190	594	372	83	28	17
31....	53	....	....	....	....	....	....	719	....	70	27	....
Total	932	386	....	....	....	....	3135	13673	17040	4312	1324	492
Mean..	30.1	38.6	....	....	....	....	209	441	568	139	42.7	16.4
Max..	53	50	....	....	....	....	540	719	768	412	66	25
Min..	19	32	....	....	....	....	127	201	366	70	27	12
Acre-ft.	1850	766	....	....	....	....	6220	27120	33800	8550	2630	976

Total run-off for period=81,910 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of North Platte River Near Northgate, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	72	117	72	62	52	70	820	1040	1830	2080	301	183
2....	70	139	70	60	64	66	1300	1110	2600	1520	306	159
3....	68	155	*58	60	70	62	1700	1120	3170	1170	360	133
4....	70	162	52	58	70	66	2420	1120	2680	1000	389	117
5....	70	139	48	58	70	70	2240	1180	1830	854	338	106
6....	70	109	46	58	68	70	1890	1210	1220	712	321	100
7....	70	126	44	58	68	72	1760	1080	920	648	301	92
8....	70	142	44	54	68	76	1490	768	863	576	292	88
9....	70	142	50	52	*67	76	1210	664	970	560	306	83
10....	72	112	54	50	60	76	1060	792	1110	546	297	81
11....	74	105	58	48	62	*92	836	632	1200	464	279	77
12....	74	114	60	46	66	110	664	438	1300	407	266	72
13....	88	133	60	*45	68	130	656	395	1420	338	249	70
14....	114	133	60	46	70	130	648	354	1360	310	228	70
15....	139	133	60	48	70	125	744	326	1280	301	209	67
16....	130	130	60	45	70	115	890	354	1340	301	201	62
17....	123	120	60	44	70	110	960	389	1190	301	201	59
18....	120	120	60	42	70	110	980	365	980	348	201	59
19....	112	125	60	44	70	110	990	383	1030	310	190	60
20....	109	125	60	48	70	105	1020	395	1140	306	183	65
21....	103	100	60	56	70	100	1140	338	1260	321	172	67
22....	98	92	60	56	70	100	1170	297	1390	371	190	67
23....	100	96	58	54	70	110	1190	284	1440	419	186	64
24....	112	98	58	50	70	130	1210	275	1450	407	172	62
25....	114	84	54	48	70	150	1320	297	1540	383	194	60
26....	123	86	52	50	70	190	1400	326	1760	338	201	59
27....	130	88	52	52	70	300	1260	383	1900	310	176	60
28....	136	76	60	56	70	370	1010	458	1660	297	162	60
29....	146	72	62	60	....	500	872	672	1500	284	149	60
30....	139	72	62	60	....	800	930	1090	1800	288	162	64
31....	130	....	62	54	....	820	....	1480	....	288	176	....
Total	3116	3445	1776	1622	1903	5411	35780	20015	45133	16758	7358	2426
Mean.	101	115	57.3	52.3	68.0	175	1193	646	1504	541	237	80.9
Max.	146	162	72	62	70	820	2420	1480	3170	2080	389	183
Min.	68	72	44	42	52	62	648	275	863	284	149	59
Acre-ft.	6180	6830	3520	3220	3770	10730	70970	39700	89520	33240	14590	4810

Total run-off for period=287,100 acre-feet.

*Winter discharge measurement made on this day.

Discharge of North Platte River Near Northgate, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	65	133	60	47	43	65	110	389	1140	760	183	57
2....	64	92	57	47	*44	64	120	401	1120	776	172	53
3....	62	95	57	47	45	64	130	360	1220	752	162	51
4....	60	117	58	48	46	64	150	306	1320	712	169	50
5....	60	120	56	44	47	65	180	301	1320	640	166	46
6....	62	115	52	45	48	67	240	360	1130	576	155	43
7....	60	105	54	46	50	71	240	458	980	504	146	38
8....	60	95	56	45	51	72	310	553	1030	419	136	36
9....	60	119	58	43	52	72	390	532	1110	343	130	35
10....	62	130	58	44	52	72	480	648	940	297	126	34
11....	67	165	58	45	52	72	490	680	1020	292	117	34
12....	70	160	56	46	52	73	500	624	1120	279	109	33
13....	83	160	48	44	50	76	600	624	1190	245	106	33
14....	88	160	43	43	50	80	*777	736	1160	224	98	35
15....	90	155	50	42	50	75	750	792	1190	205	95	36
16....	90	149	48	47	50	80	650	744	1060	186	98	32
17....	92	142	46	49	51	82	610	776	950	169	98	30
18....	88	136	*44	50	52	84	550	756	827	162	92	31
19....	85	176	44	48	53	86	530	1040	768	179	90	33
20....	90	172	44	47	55	86	530	1260	760	237	98	34
21....	95	166	45	47	57	86	560	1170	827	275	98	36
22....	106	141	45	47	59	86	470	930	845	266	90	38
23....	112	141	44	49	61	84	430	712	845	253	85	37
24....	112	126	44	50	63	82	390	640	800	250	79	36
25....	109	122	44	47	62	88	400	688	809	255	81	36
26....	109	72	46	45	61	92	419	768	960	260	85	38
27....	109	42	47	43	61	94	377	696	1090	255	85	36
28....	112	45	45	43	61	94	432	632	990	240	74	37
29....	114	52	43	43	61	92	425	640	809	230	65	38
30....	126	55	46	43	....	100	401	776	752	224	60	51
31....	136	....	46	43	....	105	....	980	....	205	59	....
Total	2698	3658	1542	1417	1539	2473	12641	20976	30082	10670	3407	1157
Mean.	87.0	122	49.7	45.7	53.1	79.8	421	677	1003	344	110	38.6
Max.	136	176	60	50	63	105	777	1260	1320	776	183	57
Min.	60	42	43	42	43	64	110	301	752	162	59	30
Acre-ft.	5350	7260	3060	2810	3050	4910	25070	41610	59670	21160	6760	2290

Total run-off for period=183,000 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of North Fork of North Platte River Near Walden, Colo., for Year Ending
Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	18	36	.....	.....	.....	.....	200	142	321	307	126	62
2....	18	45	.....	.....	.....	.....	200	139	508	254	144	49
3....	18	54	.....	.....	.....	.....	200	139	373	229	186	44
4....	20	51	.....	.....	.....	.....	200	139	237	226	151	41
5....	18	39	.....	.....	.....	.....	200	178	158	204	133	39
6....	18	34	.....	.....	.....	.....	200	148	106	176	133	37
7....	20	36	.....	.....	.....	.....	200	137	100	173	119	37
8....	20	37	.....	.....	.....	.....	200	55	100	137	119	36
9....	21	39	.....	.....	.....	.....	200	79	128	146	115	36
10....	21	31	.....	.....	.....	.....	173	135	142	126	104	35
11....	22	29	.....	.....	.....	.....	87	37	176	115	102	33
12....	24	36	.....	.....	.....	.....	75	18	212	104	95	32
13....	33	37	.....	.....	.....	.....	77	10	209	91	91	33
14....	57	36	.....	.....	.....	.....	95	10	186	93	83	31
15....	44	35	.....	.....	.....	.....	148	11	170	95	79	88
16....	38	35	.....	.....	.....	.....	186	12	220	97	77	26
17....	39	Nov. 1 to 16	.....	.....	.....	.....	155	14	160	142	79	26
18....	35		.....	.....	.....	.....	153	16	135	160	71	26
19....	36	.....	.....	.....	.....	.....	151	19	144	148	68	29
20....	31	.....	.....	.....	.....	.....	163	20	170	151	60	28
21....	31	.....	.....	.....	.....	.....	163	18	202	153	59	27
22....	29	.....	.....	.....	.....	.....	160	18	237	170	75	27
23....	33	.....	.....	.....	.....	.....	153	21	262	176	66	26
24....	35	.....	.....	.....	.....	.....	151	25	262	168	64	25
25....	34	.....	.....	.....	.....	.....	196	25	313	155	83	25
26....	35	.....	.....	.....	.....	.....	186	27	346	135	66	24
27....	36	.....	.....	.....	.....	.....	119	30	344	137	57	24
28....	39	.....	.....	.....	.....	.....	100	31	327	130	51	23
29....	38	.....	.....	.....	.....	.....	111	55	318	133	49	21
30....	31	.....	.....	.....	.....	.....	142	160	394	128	57	23
31....	34	.....	.....	.....	.....	.....	.....	220	.....	128	75	.....
Total	926	610	.....	.....	.....	.....	4744	2088	6960	4787	2837	953
Mean..	29.9	38.1	.....	.....	.....	.....	158	67.4	232	154	91.5	31.8
Max..	57	54	.....	.....	.....	.....	.....	220	508	307	186	62
Min..	18	29	.....	.....	.....	.....	.....	10	100	91	49	21
Acre-ft.	1840	1210	.....	.....	.....	.....	9410	4140	13800	9490	5630	1890

Total run-off for period=47,410 acre-feet.

**Discharge of North Fork of North Platte River Near Walden, Colo., for Year Ending
Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	23	89	.....	.....	.....	.....	.....	110	73	128	81	24
2....	23	83	.....	.....	.....	.....	.....	110	81	153	77	24
3....	22	97	.....	.....	.....	.....	.....	110	117	146	83	24
4....	22	79	.....	.....	.....	.....	.....	110	97	133	93	21
5....	23	66	.....	.....	.....	.....	.....	110	71	126	87	15
6....	23	60	.....	.....	.....	.....	.....	151	55	126	83	14
7....	24	70	.....	.....	.....	.....	.....	186	60	100	79	14
8....	26	62	.....	.....	.....	.....	.....	160	81	69	75	14
9....	26	64	.....	.....	.....	.....	.....	165	59	60	73	14
10....	30	*67	.....	.....	.....	.....	.....	181	45	59	73	14
11....	31	Nov. 1 to 10	.....	.....	.....	.....	.....	106	66	75	62	14
12....	39		.....	.....	.....	.....	.....	45	73	64	60	14
13....	45	.....	.....	.....	.....	.....	.....	55	75	55	54	16
14....	47	.....	.....	.....	.....	.....	.....	81	75	48	51	16
15....	44	.....	.....	.....	.....	.....	.....	*132	54	83	45	14
16....	44	.....	.....	.....	.....	.....	.....	Apr. 15	30	71	41	54
17....	42	.....	.....	.....	.....	.....	.....	to 30	29	64	38	49
18....	41	.....	.....	.....	.....	.....	.....	40	55	47	48	13
19....	42	.....	.....	.....	.....	.....	.....	64	55	81	51	16
20....	52	.....	.....	.....	.....	.....	.....	186	57	128	51	19
21....	60	.....	.....	.....	.....	.....	.....	69	55	133	49	21
22....	62	.....	.....	.....	.....	.....	.....	44	68	117	47	20
23....	81	.....	.....	.....	.....	.....	.....	28	87	117	41	18
24....	85	.....	.....	.....	.....	.....	.....	26	89	126	42	18
25....	81	.....	.....	.....	.....	.....	.....	29	95	133	45	19
26....	85	.....	.....	.....	.....	.....	.....	31	148	115	44	19
27....	85	.....	.....	.....	.....	.....	.....	28	168	111	41	22
28....	85	.....	.....	.....	.....	.....	.....	26	144	97	31	22
29....	97	.....	.....	.....	.....	.....	.....	25	115	93	29	24
30....	102	.....	.....	.....	.....	.....	.....	33	115	93	28	54
31....	100	.....	.....	.....	.....	.....	.....	62	.....	85	28	.....
Total	1592	737	.....	.....	.....	.....	1360	2484	2497	2942	1763	563
Mean..	51.4	73.7	.....	.....	.....	.....	85	80.1	83.2	94.9	56.9	18.8
Max..	102	97	.....	.....	.....	.....	.....	186	168	153	93	54
Min..	22	60	.....	.....	.....	.....	.....	25	45	38	28	13
Acre-ft.	3160	1460	.....	.....	.....	.....	2700	4930	4950	5840	3500	1120

Total run-off for period=27,660 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Michigan River at Walden, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	16	22	....	....	....	....	150	57	210	142	18	21
2....	16	25	....	....	....	....	150	66	301	87	18	18
3....	16	26	....	....	....	....	150	74	370	59	25	15
4....	15	25	....	....	....	....	150	79	304	47	24	14
5....	15	22	....	....	....	....	150	84	196	42	22	13
6....	15	24	....	....	....	....	150	93	158	38	25	12
7....	15	24	....	....	....	....	150	88	134	30	22	12
8....	14	23	....	....	....	....	150	71	102	25	25	12
9....	14	23	....	....	....	....	150	65	87	26	28	11
10....	14	22	....	....	....	....	118	60	75	28	26	8.9
11....	15	19	....	....	....	....	85	53	111	30	23	7.8
12....	15	21	....	....	....	....	92	43	164	20	22	7.2
13....	19	23	....	....	....	....	84	33	168	15	22	6.9
14....	22	25	....	....	....	....	76	26	154	14	20	7.2
15....	22	25	....	....	....	....	90	26	158	13	17	6.6
16....	22	25	....	....	....	....	120	27	144	13	19	6.0
17....	20	22	....	....	....	....	142	32	107	12	21	5.4
18....	19	20	....	....	....	....	112	27	78	10	20	5.4
19....	18	Nov. 1	....	....	....	....	102	31	68	10	20	6.0
20....	17	to 18	....	....	....	....	96	29	68	9.2	19	6.6
21....	18	....	....	....	....	....	107	24	71	9.2	15	6.6
22....	18	....	....	....	....	....	109	20	87	11	16	6.6
23....	20	....	....	....	....	....	96	18	111	12	14	6.3
24....	23	....	....	....	....	....	102	17	124	13	15	6.3
25....	22	....	....	....	....	....	126	16	136	13	20	6.3
26....	23	....	....	....	....	....	124	14	164	14	23	6.3
27....	24	....	....	....	....	....	105	14	142	13	23	6.9
28....	24	....	....	....	....	....	87	16	85	12	21	8.2
29....	27	....	....	....	....	....	60	22	69	13	19	8.2
30....	22	....	....	....	....	....	61	82	148	14	22	8.6
31....	22	....	....	....	....	....	....	183	....	19	23	....
Total	582	416	....	....	....	....	3444	1490	4294	814.4	647	272.3
Mean.	18.8	23	....	....	....	....	115	48.1	143	26.3	20.9	9.08
Max..	27	26	....	....	....	....	....	183	370	142	28	21
Min..	14	19	....	....	....	....	60	14	68	9.2	14	5.4
Acre-ft.	1150	825	....	....	....	....	6830	2960	8520	1620	1280	540

Total run-off for period=23,720 acre-feet.

Discharge of Michigan River at Walden, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	10	18	....	....	....	....	....	54	148	59	15	5.4
2....	11	20	....	....	....	....	....	54	160	48	14	4.2
3....	12	21	....	....	....	....	....	54	170	40	13	3.0
4....	10	21	....	....	....	....	....	53	200	38	12	2.6
5....	9.6	21	....	....	....	....	....	54	205	34	12	2.4
6....	8.8	20	....	....	....	....	....	55	180	27	11	2.4
7....	8.4	22	....	....	....	....	....	73	140	21	11	2.2
8....	8.8	21	....	....	....	....	....	76	160	21	10	2.0
9....	9.6	20	....	....	....	....	....	66	140	24	11	1.8
10....	10	19	....	....	....	....	....	59	116	28	11	1.8
11....	10	Nov. 1	....	....	....	....	....	60	154	34	9.6	2.0
12....	11	to 10	....	....	....	....	....	70	190	34	9.2	3.3
13....	13	....	....	....	....	....	....	84	196	39	8.0	4.2
14....	14	....	....	....	....	....	Apr. 16	85	176	35	6.8	4.2
15....	13	....	....	....	....	....	to 30	90	148	30	6.0	3.9
16....	14	....	....	....	....	....	*55	84	113	23	6.4	4.2
17....	14	....	....	....	....	....	50	95	116	18	6.8	3.9
18....	14	....	....	....	....	....	66	148	115	14	6.0	3.9
19....	14	....	....	....	....	....	92	230	99	13	8.4	4.5
20....	14	....	....	....	....	....	82	190	84	26	9.6	4.8
21....	14	....	....	....	....	....	66	134	82	29	9.2	4.5
22....	14	....	....	....	....	....	64	100	80	26	8.4	4.5
23....	14	....	....	....	....	....	63	72	80	23	7.6	4.5
24....	14	....	....	....	....	....	63	66	74	23	7.2	4.5
25....	14	....	....	....	....	....	64	85	65	25	7.6	4.8
26....	13	....	....	....	....	....	64	99	87	24	8.0	5.4
27....	14	....	....	....	....	....	62	73	124	22	8.8	5.7
28....	14	....	....	....	....	....	62	73	113	20	8.0	5.4
29....	17	....	....	....	....	....	59	84	85	18	7.6	5.7
30....	18	....	....	....	....	....	55	92	64	18	7.2	11
31....	18	....	....	....	....	....	....	118	....	16	5.4	....
Total	393.2	203	....	....	....	....	967	2730	3864	850	282.8	122.7
Mean.	12.7	20.3	....	....	....	....	64.5	88.1	129	27.4	9.12	4.09
Max..	18	22	....	....	....	....	92	230	205	59	15	11
Min..	8.4	18	....	....	....	....	50	53	64	13	6.0	1.8
Acre-ft.	780	403	....	....	....	....	1920	5410	7660	1690	561	243

Total run-off for period=18,670 acre-feet.

* Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Michigan River Near Cowdrey, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	13	29	....	....	....	....	450	29	110	102	14	19
2....	13	31	....	....	....	....	450	29	256	78	16	15
3....	13	....	....	....	....	....	450	33	432	50	20	12
4....	13	....	....	....	....	....	450	33	575	27	22	9.5
5....	12	....	....	....	....	....	450	30	464	16	21	9.5
6....	12	....	....	....	....	....	450	34	239	7.0	20	9.0
7....	12	....	....	....	....	....	*455	36	156	6.0	21	8.5
8....	12	....	....	....	....	....	350	28	104	5.0	20	7.0
9....	12	....	....	....	....	....	210	29	65	4.5	21	6.0
10....	13	....	....	....	....	....	220	24	47	5.5	21	5.0
11....	13	....	....	....	....	....	182	18	43	5.5	18	4.5
12....	13	....	....	....	....	....	158	11	86	5.5	17	3.6
13....	19	....	....	....	....	....	147	9.0	140	5.0	14	3.6
14....	27	....	....	....	....	....	130	7.5	149	4.2	13	3.3
15....	28	....	....	....	....	....	126	7.0	142	3.9	12	3.3
16....	27	....	....	....	....	....	140	6.5	145	3.6	11	3.0
17....	26	....	....	....	....	....	158	5.5	114	3.9	13	3.0
18....	24	....	....	....	....	....	149	3.9	69	4.2	14	3.0
19....	24	....	....	....	....	....	124	4.2	46	3.9	13	3.3
20....	23	....	....	....	....	....	108	4.2	31	4.2	11	3.0
21....	24	....	....	....	....	....	110	3.3	24	6.5	11	3.3
22....	24	....	....	....	....	....	116	3.0	20	7.0	11	3.3
23....	26	....	....	....	....	....	110	2.7	18	10	9.5	3.3
24....	29	....	....	....	....	....	102	3.0	22	15	9.5	3.6
25....	30	....	....	....	....	....	110	3.0	29	15	13	3.6
26....	29	....	....	....	....	....	114	2.7	41	15	15	3.6
27....	30	....	....	....	....	....	104	2.4	65	14	16	3.6
28....	30	....	....	....	....	....	74	2.1	47	13	16	3.9
29....	31	....	....	....	....	....	50	2.4	31	11	14	4.5
30....	31	....	....	....	....	....	43	3.6	82	10	17	5.5
31....	30	....	....	....	....	....	....	9.5	....	13	20	....
Total	663	....	....	....	....	....	6290	419.5	3792	474.4	484.0	172.3
Mean	21.4	....	....	....	....	....	210	13.5	126	15.3	15.6	5.74
Max..	31	....	....	....	....	....	....	36	575	102	22	19
Min..	12	....	....	....	....	....	....	2.1	18	3.6	9.5	3.0
Acre-ft.	1320	....	....	....	....	....	12480	832	7520	941	960	342

Total run-off for period=24,400 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Michigan River Near Cowdrey, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	6.0	25	....	....	....	....	....	49	26	17	16	1.9
2....	6.0	28	....	....	....	....	....	48	44	15	14	1.3
3....	6.5	32	....	....	....	....	....	48	88	16	13	1.0
4....	6.5	32	....	....	....	....	....	48	150	17	11	0.9
5....	6.5	31	....	....	....	....	....	46	216	14	10	0.8
6....	6.5	25	....	....	....	....	....	46	168	10	11	0.6
7....	6.0	19	....	....	....	....	....	44	127	8.2	9.6	0.4
8....	6.0	22	....	....	....	....	....	50	122	6.1	8.9	0.2
9....	6.0	29	....	....	....	....	....	34	91	4.7	7.5	0.0
10....	6.0	Nov. 1 to 9	....	....	....	....	....	26	58	3.7	6.1	0
11....	6.5		....	....	....	....	....	24	46	4.7	6.1	0
12....	6.5	....	....	....	....	....	....	23	67	5.4	5.4	0
13....	7.0	....	....	....	....	....	....	24	88	4.7	3.4	0
14....	7.5	....	....	....	....	....	Apr. 16	22	114	4.0	3.4	0
15....	7.5	....	....	....	....	....	to 30	27	118	3.7	3.4	0
16....	7.5	....	....	....	....	....	65	20	78	3.7	2.5	0.3
17....	7.5	....	....	....	....	....	60	15	50	3.4	2.2	0.6
18....	7.5	....	....	....	....	....	100	35	39	3.4	2.2	0.8
19....	9.0	....	....	....	....	....	130	170	34	3.4	3.1	0.9
20....	12	....	....	....	....	....	160	155	29	5.4	3.7	1.0
21....	15	....	....	....	....	....	140	84	21	6.8	4.0	0.9
22....	15	....	....	....	....	....	125	46	16	6.1	3.4	0.9
23....	15	....	....	....	....	....	120	25	14	8.2	3.4	0.9
24....	16	....	....	....	....	....	115	12	13	11	2.8	1.0
25....	16	....	....	....	....	....	110	10	12	22	2.8	1.3
26....	16	....	....	....	....	....	91	12	15	26	2.8	1.3
27....	16	....	....	....	....	....	80	14	21	22	2.8	1.6
28....	17	....	....	....	....	....	73	12	29	21	3.1	1.9
29....	18	....	....	....	....	....	70	13	27	19	2.8	2.5
30....	21	....	....	....	....	....	50	16	20	17	2.5	4.7
31....	22	....	....	....	....	....	....	20	....	17	2.2	....
Total	3285	243	....	....	....	....	1489	1218	1941	329.6	175.1	27.7
Mean	10.6	27.0	....	....	....	....	99.3	39.3	64.7	10.6	5.65	0.92
Max..	22	32	....	....	....	....	160	170	216	26	16	4.7
Min..	6.0	19	....	....	....	....	50	10	12	3.4	2.2	0
Acre-ft.	652	482	....	....	....	....	2950	2420	3850	654	347	55

Total run-off for period=11,410 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Illinois Creek at Walden, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	4.1	9.9	....	....	....	....	220	6.4	113	79	2.4	1.8
2....	4.1	9.9	....	....	....	....	220	5.9	171	90	2.4	1.4
3....	4.3	9.9	....	....	....	....	220	5.9	248	68	4.1	1.0
4....	4.6	10	....	....	....	....	220	6.4	350	42	3.6	0.7
5....	4.6	9.1	....	....	....	....	220	8.3	270	30	2.3	0.5
6....	5.3	9.9	....	....	....	....	220	12	157	22	2.3	0.4
7....	5.9	9.1	....	....	....	....	220	15	122	16	2.0	0.4
8....	7.9	9.1	....	....	....	....	220	16	83	16	1.9	0.4
9....	9.5	10	....	....	....	....	220	18	63	16	1.9	0.4
10....	11	9.1	....	....	....	....	107	15	50	15	1.8	0.3
11....	11	6.7	....	....	....	....	80	11	52	14	1.7	0.3
12....	12	6.7	....	....	....	....	70	7.9	76	12	1.3	0.3
13....	15	6.7	....	....	....	....	63	7.0	122	9.9	1.2	0.4
14....	20	6.4	....	....	....	....	54	5.6	117	8.7	1.0	0.3
15....	20	5.6	....	....	....	....	56	5.3	111	8.7	1.0	0.3
16....	21	6.4	....	....	....	....	56	4.8	105	8.3	1.0	0.3
17....	21	7.0	....	....	....	....	46	5.1	86	7.5	0.9	0.3
18....	15	7.0	....	....	....	....	35	5.6	61	7.0	0.9	0.4
19....	6.7	Nov. 1 to 18	....	....	....	....	26	7.0	39	7.0	0.8	0.4
20....	6.4	....	....	....	....	....	22	6.4	27	7.0	0.7	0.4
21....	6.2	....	....	....	....	....	21	5.9	25	7.0	0.6	0.4
22....	5.9	....	....	....	....	....	20	5.6	20	6.4	0.5	0.4
23....	7.0	....	....	....	....	....	19	5.6	18	6.2	0.5	0.4
24....	7.2	....	....	....	....	....	13	5.6	18	5.6	0.8	0.4
25....	7.2	....	....	....	....	....	9.1	5.3	20	4.6	1.2	0.4
26....	7.9	....	....	....	....	....	8.7	5.3	27	3.6	0.9	0.4
27....	9.1	....	....	....	....	....	7.9	5.1	41	2.9	0.6	0.4
28....	9.1	....	....	....	....	....	7.9	4.6	43	2.2	0.5	0.4
29....	9.9	....	....	....	....	....	7.9	4.8	36	2.2	0.8	0.4
30....	12	....	....	....	....	....	7.5	6.2	90	2.2	1.7	0.5
31....	11	....	....	....	....	....	....	18	....	2.3	2.0	....
Total	301.9	148.5	....	....	....	....	2717.0	246.6	2761	529.3	45.3	14.8
Mean.	9.74	8.25	....	....	....	....	90.6	7.95	92.0	17.1	1.46	.49
Max..	21	10	....	....	....	....	....	18	350	90	4.1	1.8
Min..	4.1	5.6	....	....	....	....	7.5	4.6	18	2.2	0.5	0.3
Acce-ft.	599	295	....	....	....	....	5390	489	5480	1050	90	29

Total run-off for period=13,420 acre-feet.

Discharge of Illinois Creek at Walden, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.7	7.2	....	....	....	....	....	31	20	33	1.1	0.2
2....	1.6	11	....	....	....	....	....	30	37	33	1.0	0.2
3....	1.7	6.7	....	....	....	....	....	26	77	30	0.9	0.2
4....	1.8	11	....	....	....	....	....	20	96	28	0.8	0.2
5....	2.0	4.3	....	....	....	....	....	17	96	23	0.7	0.2
6....	1.9	4.6	....	....	....	....	....	15	85	20	0.8	0.2
7....	1.6	5.1	....	....	....	....	....	20	78	16	0.7	0.2
8....	1.7	5.1	....	....	....	....	....	33	71	13	0.7	0.2
9....	1.6	6.2	....	....	....	....	....	29	60	10	0.6	0.1
10....	1.6	6.4	....	....	....	....	....	25	51	9.1	0.5	0.2
11....	1.8	Nov. 1 to 10	....	....	....	....	Apr. 13 to 30	28	38	9.1	0.3	0.2
12....	2.0	....	....	....	....	....	23	34	9.5	0.3	0.2	0.2
13....	2.3	....	....	....	....	....	46	16	53	8.7	0.4	0.2
14....	2.3	....	....	....	....	....	49	17	90	7.2	0.4	0.2
15....	2.2	....	....	....	....	....	57	18	88	6.7	0.5	0.1
16....	2.2	....	....	....	....	....	46	14	59	6.2	0.6	0.1
17....	2.3	....	....	....	....	....	40	12	40	5.6	0.5	0.2
18....	2.2	....	....	....	....	....	36	18	26	4.6	0.4	0.2
19....	2.3	....	....	....	....	....	44	68	24	4.3	0.9	0.2
20....	2.9	....	....	....	....	....	32	85	22	4.8	1.2	0.2
21....	3.4	....	....	....	....	....	28	63	20	4.6	0.7	0.2
22....	2.6	....	....	....	....	....	23	45	18	3.8	0.6	0.2
23....	2.4	....	....	....	....	....	28	27	15	3.1	0.4	0.2
24....	2.3	....	....	....	....	....	26	18	15	2.4	0.3	0.2
25....	2.2	....	....	....	....	....	28	12	15	2.4	0.4	0.3
26....	2.3	....	....	....	....	....	26	12	18	2.3	0.3	0.3
27....	2.3	....	....	....	....	....	23	10	22	2.0	0.3	0.3
28....	2.3	....	....	....	....	....	24	13	27	1.9	0.3	0.3
29....	2.9	....	....	....	....	....	29	16	31	1.4	0.3	0.3
30....	3.4	....	....	....	....	....	31	18	33	2.2	0.3	0.7
31....	3.1	....	....	....	....	....	....	20	....	1.2	0.2	....
Total	67.9	67.6	....	....	....	....	616	799	1359	309.1	17.4	6.7
Mean.	2.19	6.76	....	....	....	....	34.2	25.8	45.3	9.97	0.56	0.22
Max..	3.4	11	....	....	....	....	57	85	96	33	1.2	0.7
Min..	0.7	4.3	....	....	....	....	23	10	15	1.2	0.2	0.1
Acce-ft.	135	134	....	....	....	....	1220	1580	2700	613	35	13

Total run-off for period=6,430 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Canadian River at Cowdrey, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	8.4	15	....	....	....	....	120	36	48	60	13	9.6
2....	8.4	19	....	....	....	....	120	38	98	34	14	9.2
3....	8.7	18	....	....	....	....	120	40	147	22	16	7.5
4....	8.7	....	....	....	....	....	120	36	129	17	17	6.5
5....	8.7	....	....	....	....	....	120	32	82	15	16	5.5
6....	8.7	....	....	....	....	....	120	34	69	14	15	5.0
7....	8.7	....	....	....	....	....	120	28	59	13	15	5.0
8....	9.0	....	....	....	....	....	120	28	50	15	15	4.6
9....	9.3	....	....	....	....	....	120	27	49	15	16	4.4
10....	9.6	....	....	....	....	....	120	28	52	14	17	4.6
11....	9.6	....	....	....	....	....	57	27	57	13	15	4.4
12....	9.6	....	....	....	....	....	46	25	69	12	13	4.2
13....	11	....	....	....	....	....	49	21	80	12	12	4.0
14....	14	....	....	....	....	....	52	19	66	11	12	4.0
15....	15	....	....	....	....	....	53	19	60	11	11	4.0
16....	15	....	....	....	....	....	61	19	60	11	9.6	4.0
17....	14	....	....	....	....	....	65	20	52	11	9.6	3.8
18....	14	....	....	....	....	....	63	24	40	10	10	4.2
19....	14	....	....	....	....	....	58	27	29	9.2	11	4.2
20....	13	....	....	....	....	....	54	28	26	9.2	11	4.8
21....	13	....	....	....	....	....	52	26	26	11	10	5.0
22....	13	....	....	....	....	....	52	25	25	12	10	5.2
23....	14	....	....	....	....	....	50	22	22	13	8.6	5.0
24....	15	....	....	....	....	....	51	22	20	13	8.6	5.0
25....	16	....	....	....	....	....	58	19	20	14	9.2	5.0
26....	16	....	....	....	....	....	60	18	24	14	12	4.8
27....	17	....	....	....	....	....	57	17	42	14	12	4.8
28....	16	....	....	....	....	....	45	16	32	13	9.6	4.8
29....	16	....	....	....	....	....	36	16	26	12	7.8	4.6
30....	15	....	....	....	....	....	37	20	41	12	8.6	4.6
31....	13	....	....	....	....	....	....	24	....	13	10	....
Total	381.4	....	....	....	....	....	2256	781	1600	469.4	374.6	152.3
Mean.	12.3	....	....	....	....	....	75.2	25.2	53.3	15.1	12.1	5.08
Max..	17	....	....	....	....	....	....	40	147	60	17	9.6
Min..	8.4	....	....	....	....	....	36	16	20	9.2	7.8	3.8
Acre-ft.	756	....	....	....	....	....	4470	1550	3170	931	743	302

Total run-off for period=11,920 acre-feet.

Discharge of Canadian River at Cowdrey, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	5.0	10	....	....	....	....	....	43	88	40	13	3.4
2....	4.8	12	....	....	....	....	....	41	93	35	11	3.0
3....	5.0	10	....	....	....	....	....	40	102	34	10	2.8
4....	5.2	13	....	....	....	....	....	40	121	39	9.6	2.8
5....	5.2	6.0	....	....	....	....	....	40	172	34	8.6	2.4
6....	5.0	6.0	....	....	....	....	....	39	172	29	7.0	2.4
7....	5.0	6.2	....	....	....	....	....	47	141	24	6.0	2.4
8....	5.0	6.4	....	....	....	....	....	51	146	19	5.2	2.2
9....	5.0	6.6	....	....	....	....	....	41	144	15	5.0	2.1
10....	5.2	....	....	....	....	....	....	38	110	15	4.4	1.8
11....	5.2	....	....	....	....	....	....	36	107	15	3.4	1.6
12....	6.0	....	....	....	....	....	....	28	110	13	3.4	1.5
13....	7.2	....	....	....	....	....	....	22	126	13	3.4	1.3
14....	8.2	....	....	....	....	....	....	14	116	12	3.2	1.3
15....	8.2	....	....	....	....	....	....	15	111	12	3.8	1.2
16....	8.2	....	....	....	....	....	37	17	96	11	4.4	1.1
17....	8.2	....	....	....	....	....	38	18	86	11	4.8	1.1
18....	8.2	....	....	....	....	....	29	34	80	11	4.8	1.1
19....	7.8	....	....	....	....	....	36	63	71	12	4.8	1.1
20....	6.5	....	....	....	....	....	31	95	67	13	5.8	1.1
21....	6.8	....	....	....	....	....	31	75	67	16	6.2	1.1
22....	7.0	....	....	....	....	....	36	45	70	16	5.8	1.0
23....	7.2	....	....	....	....	....	33	31	69	16	5.0	1.0
24....	7.2	....	....	....	....	....	28	24	72	19	4.2	1.0
25....	7.2	....	....	....	....	....	29	34	68	26	4.4	0.9
26....	7.8	....	....	....	....	....	42	46	64	24	8.2	1.5
27....	7.8	....	....	....	....	....	48	40	75	18	7.0	1.1
28....	7.8	....	....	....	....	....	44	34	70	15	6.0	1.1
29....	8.2	....	....	....	....	....	48	41	54	13	4.6	1.8
30....	8.2	....	....	....	....	....	48	57	48	14	3.6	3.4
31....	8.2	....	....	....	....	....	....	76	....	14	3.6	....
Total	207.5	762	....	....	....	....	558	1265	2916	598	180.2	51.6
Mean.	6.69	8.47	....	....	....	....	37.2	40.8	97.2	19.3	5.81	1.72
Max..	8.2	13	....	....	....	....	48	95	172	40	13	3.4
Min..	4.8	6.0	....	....	....	....	28	14	48	11	3.2	0.9
Acre-ft.	412	151	....	....	....	....	1110	2510	5780	1190	357	102

Total run-off for period=11,610 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Laramie River Near Glendevy, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	22	25	....	....	....	....	38	305	655	308	25	16
2....	22	26	....	....	....	....	41	332	710	267	29	16
3....	22	26	....	....	....	....	48	320	508	350	33	16
4....	22	27	....	....	....	....	54	317	416	274	26	15
5....	21	26	....	....	....	....	60	293	392	130	23	15
6....	20	24	....	....	....	....	68	240	364	69	23	15
7....	20	20	....	....	....	....	71	194	378	52	22	15
8....	20	21	....	....	....	....	72	171	440	41	22	14
9....	20	22	....	....	....	....	68	145	496	38	24	14
10....	20	22	....	....	....	....	52	135	524	39	20	14
11....	20	20	....	....	....	....	43	147	528	30	20	14
12....	20	19	....	....	....	....	45	138	504	26	20	14
13....	26	20	....	....	....	....	45	118	504	25	19	15
14....	31	21	....	....	....	....	52	114	488	23	18	15
15....	30	22	....	....	....	....	64	129	440	22	18	20
16....	35	23	....	....	....	....	71	122	236	22	20	24
17....	35	24	....	....	....	....	76	121	196	22	20	25
18....	35	24	....	....	....	....	76	114	209	22	20	29
19....	33	23	....	....	....	....	80	110	216	21	20	36
20....	32	22	....	....	....	....	105	140	378	20	18	31
21....	30	23	....	....	....	....	116	153	468	44	18	28
22....	30	18	....	....	....	....	121	145	504	60	19	26
23....	28	20	....	....	....	....	124	184	612	37	17	25
24....	25	22	....	....	....	....	158	209	612	27	18	25
25....	24	20	....	....	....	....	186	186	640	26	20	25
26....	25	19	....	....	....	....	172	186	715	23	17	25
27....	25	20	....	....	....	....	134	211	616	22	17	25
28....	26	22	....	....	....	....	134	274	590	22	16	24
29....	26	26	....	....	....	....	214	323	480	22	17	24
30....	24	22	....	....	....	....	264	424	436	24	17	25
31....	23	....	....	....	....	....	....	472	....	24	18	....
Total	792	669	....	....	....	....	2852	6472	14255	2132	634	625
Mean.	25.5	22.3	....	....	....	....	95.1	209	475	68.8	20.5	20.8
Max..	35	27	....	....	....	....	264	472	715	350	33	36
Min...	20	18	....	....	....	....	38	110	196	20	16	14
Acre-ft.	1570	1330	....	....	....	....	5660	12840	28270	4230	1260	1240

Total run-off for period=56,400 acre-feet.

Discharge of Laramie River Near Glendevy, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	24	22	....	....	....	....	16	26	242	69	91	32
2....	24	23	....	....	....	....	16	26	218	63	86	31
3....	23	26	....	....	....	....	16	22	220	70	85	30
4....	22	22	....	....	....	....	17	20	156	185	81	30
5....	22	21	....	....	....	....	17	25	176	153	77	29
6....	23	23	....	....	....	....	17	42	167	134	77	28
7....	22	22	....	....	....	....	17	53	178	109	72	28
8....	22	24	....	....	....	....	18	48	188	94	70	27
9....	22	25	....	....	....	....	18	48	188	89	72	26
10....	22	29	....	....	....	....	18	59	218	83	69	26
11....	22	23	....	....	....	....	22	65	225	82	66	26
12....	23	25	....	....	....	....	20	80	195	73	63	25
13....	23	22	....	....	....	....	20	95	171	70	54	24
14....	27	23	....	....	....	....	19	128	162	65	53	23
15....	25	23	....	....	....	....	19	156	151	64	60	23
16....	24	23	....	....	....	....	18	200	160	61	59	21
17....	24	24	....	....	....	....	18	225	148	56	48	20
18....	23	22	....	....	....	....	19	148	123	58	45	20
19....	24	21	....	....	....	....	19	133	128	131	52	20
20....	22	21	....	....	....	....	19	123	144	165	48	20
21....	21	20	....	....	....	....	19	126	150	144	46	20
22....	23	21	....	....	....	....	18	135	135	128	44	20
23....	23	20	....	....	....	....	18	173	109	123	42	19
24....	22	20	....	....	....	....	18	192	107	121	41	19
25....	22	20	....	....	....	....	18	158	113	121	54	19
26....	22	19	....	....	....	....	21	135	121	116	44	19
27....	22	18	....	....	....	....	26	146	117	106	40	19
28....	23	19	....	....	....	....	29	162	66	102	39	18
29....	26	19	....	....	....	....	28	212	65	98	36	19
30....	24	19	....	....	....	....	26	238	70	94	37	23
31....	23	....	....	....	....	....	....	268	....	91	35	....
Total	714	659	....	....	....	....	584	3667	4611	3118	1786	704
Mean.	23.0	22.0	....	....	....	....	19.5	118	154	101	57.6	23.5
Max..	27	29	....	....	....	....	29	268	242	185	91	32
Min...	21	18	....	....	....	....	16	20	65	56	35	18
Acre-ft.	1420	1310	....	....	....	....	1160	7270	9150	6180	3540	1400

Total run-off for period=31,430 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Laramie River Near Jelm, Wyoming, for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	28	65	44	37	28	33	92	620	1150	514	88	40
2....	31	61	42	36	28	29	94	720	1470	394	122	36
3....	38	59	*40	35	29	28	102	720	1130	425	129	28
4....	39	61	38	34	30	30	114	706	876	402	94	29
5....	40	64	36	33	31	32	122	692	853	267	78	32
6....	40	52	34	33	31	31	124	566	741	161	72	33
7....	44	53	34	31	30	31	124	475	741	127	78	35
8....	46	56	37	29	*30	31	129	416	811	120	70	33
9....	50	56	39	27	*30	31	118	376	868	107	82	32
10....	50	62	40	27	28	31	102	362	908	98	67	31
11....	50	52	40	26	30	*31	88	380	940	80	59	31
12....	50	42	40.	*25	32	32	74	407	924	65	61	29
13....	63	44	38	24	32	35	86	335	916	56	58	29
14....	76	46	38	24	32	40	86	319	876	48	51	29
15....	76	50	38	27	32	39	98	331	811	38	50	29
16....	78	48	38	26	32	37	113	323	632	35	48	35
17....	84	48	38	24	32	36	122	311	486	38	51	39
18....	74	48	38	23	33	37	127	311	502	36	50	39
19....	67	48	38	22	33	37	127	284	486	38	51	44
20....	63	52	40	24	33	36	156	288	590	40	48	46
21....	63	42	40	27	33	34	182	323	741	42	45	46
22....	61	*36	40	28	34	34	197	299	748	124	46	40
23....	59	36	40	28	34	34	264	340	853	105	45	35
24....	54	38	39	28	35	38	299	430	868	82	44	35
25....	52	40	37	27	36	45	362	394	908	86	48	33
26....	51	37	35	26	36	52	340	398	1100	82	48	33
27....	54	36	35	26	35	58	267	430	916	76	40	33
28....	54	38	36	27	35	68	239	572	811	74	36	32
29....	54	42	38	28	....	74	353	644	727	72	35	32
30....	51	44	38	28	....	78	480	797	776	68	38	33
31....	48	....	38	29	....	94	....	892	....	68	44	....
Total	1688	1456	1186	869	894	1276	5181	14461	25159	3968	1876	1031
Mean.	54.5	48.5	38.3	28.0	31.9	41.2	173	466	839	128	60.5	34.4
Max...	84	65	44	37	36	94	480	892	1470	514	129	46
Min....	28	36	34	22	28	28	74	284	486	35	35	28
Acre-ft.	3350	2890	2350	1720	1770	2530	10280	28680	49900	7870	3720	2040

Total run-off for period=117,100 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Laramie River near Jelm, Wyoming, for the year ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	35	54	29	25	19	24	33	68	738	188	102	36
2....	36	52	28	27	*20	24	36	68	690	173	100	33
3....	36	59	31	26	20	23	38	59	696	176	94	33
4....	36	42	33	24	21	23	42	59	618	267	90	32
5....	35	40	33	23	21	22	46	61	594	288	86	31
6....	33	51	33	27	22	21	49	82	565	228	80	31
7....	33	46	33	20	23	21	47	111	600	182	82	28
8....	33	54	32	18	22	22	47	109	654	142	76	26
9....	33	63	30	20	21	*23	47	100	618	120	76	25
10....	33	65	29	20	19	25	49	120	684	120	74	24
11....	35	56	29	18	19	23	50	136	696	129	68	25
12....	36	46	30	18	19	24	*51	167	642	124	65	25
13....	39	39	30	19	19	25	58	191	570	113	59	25
14....	39	42	33	19	19	26	58	232	555	100	54	24
15....	40	40	31	20	18	24	60	367	500	92	54	23
16....	39	45	31	21	18	26	64	495	535	88	59	22
17....	40	48	*32	21	18	27	72	560	490	86	54	22
18....	40	46	32	21	19	26	80	359	416	82	51	22
19....	40	35	33	22	19	25	90	319	402	113	54	23
20....	42	26	34	21	19	25	94	303	406	222	54	24
21....	38	29	34	20	20	25	92	311	406	203	51	29
22....	44	32	34	20	21	25	84	319	367	161	48	31
23....	44	29	33	20	23	26	82	445	323	136	46	31
24....	44	28	31	21	23	27	92	560	303	134	46	32
25....	45	28	31	21	23	27	90	510	299	142	61	32
26....	46	27	33	19	21	25	94	398	307	136	59	32
27....	50	25	30	18	22	26	109	450	347	131	48	32
28....	51	27	26	18	23	27	102	470	239	124	45	32
29....	58	29	23	19	23	24	92	576	213	120	42	32
30....	59	30	25	19	....	26	70	654	197	113	40	42
31....	56	....	27	19	....	30	....	726	....	107	39	....
Total	1268	1233	953	644	594	767	2018	9382	14670	4540	1957	860
Mean.	40.9	41.1	30.7	20.8	20.5	24.7	67.3	303	489	146	63.1	28.7
Max...	59	65	34	27	23	30	109	726	738	288	102	42
Min....	33	25	23	18	18	21	33	56	197	82	39	22
Acre-ft.	2520	2450	1890	1280	1180	1520	4000	18610	29100	9000	3880	1710

Total run-off for period=77,140 acre-feet.

*Winter discharge measurement made on this day.

Maximum discharge 876 Sec. Ft., May 31, 1944, G. H. 3.07 Ft.

Unless otherwise noted, all discharges are in cubic feet per second.

ARKANSAS RIVER BASIN

ARKANSAS RIVER AT GRANITE, COLORADO

Location—Water stage recorder in Sec. 31, T. 11 S., R. 79 W., at Granite, just upstream from Cache Creek.

Drainage Area—431 square miles. Zero of gage is 8,914.86 feet above mean sea level, 1929 adjustment.

Records Available—April to October, 1895; May 1, 1897 to September 10, 1899; April 6, 1910 to September 30, 1944.

Maximum discharge during period 1895, 1897-1899, 1910-1944; 2,900 second feet, June 16, 1924. Gage height 4.57 feet.

Maximum Discharge—Year 1943; 1,930 second feet, July 1. Gage height 5.50 feet.

Maximum Discharge—Year 1944; 1,770 second feet, June 26. Gage height 5.38 feet.

Accuracy—Records considered good except those for period of ice effect, December 1, 1942 to March 10, 1943, and November 30, 1943 to April 1, 1944, which were computed on basis of seven discharge measurements and comparison with records at Salida, and are fair.

Diversions for storage and irrigation above station. Sugar Loaf and Twin Lakes Reservoirs on tributaries above station, total capacities 72,120 acre feet. The Wurtz Ditch, Ewing Ditch, Buske-Ivanhoe Tunnel, Twin Lakes Tunnel, and Fremont Pass Ditch divert water from Colorado River basin into the Arkansas River basin above the station. The following records show diversions above station into the Arkansas River basin.

Ditch or Tunnel	Stream	Diversions in Acre-Feet	
		1943	1944
Buske-Ivanhoe Tunnel.....	Frying Pan River.....	4,930	2,060
Columbine Ditch.....	Eagle River.....	1,170	135
Ewing Ditch.....	Eagle River.....	0	0
Wurtz Ditch.....	Eagle River.....	2,580	1,820
Fremont Pass Ditch.....	Ten Mile Creek.....	364	0
Twin Lakes Tunnel	Roaring Fork	48,020	37,730
Total		57,064	41,745

ARKANSAS RIVER AT SALIDA, COLORADO

Location—Water stage recorder in Sec. 31, T. 50 N., R. 9 E., at Salida, 3 miles upstream from South Arkansas River. Prior to December 3, 1936, station located at site 1½ miles downstream. Records are comparable.

Drainage Area—1,210 square miles. Zero of gage is 7,051.45 feet above mean sea level, datum of 1929.

Records Available—April 11, 1895 to October 31, 1903; November 3, 1909 to September 30, 1944.

Maximum discharge during period 1895-1903, 1909-1944; 5,100 second feet June 16, 1924. Gage height 7.2 feet, former site and datum.

Maximum Discharge—Year 1943; 2,920 second feet, July 1. Gage height 4.11 feet.

Maximum Discharge—Year 1944; 2,980 second feet, June 22. Gage height 4.15 feet.

Accuracy—Records considered excellent.

Diversion for storage and irrigation above station. Flow regulated by Clear Creek Reservoir, capacity 11,444 acre feet, and as described, for Arkansas River station at Granite.

ARKANSAS RIVER AT CANON CITY, COLORADO

Location—Water stage recorder in Sec. 32, T. 18 S., R. 70 W., in Canon City, just upstream from Sand Creek and $\frac{1}{2}$ mile above Southern Colorado power plant.

Drainage Area—3,090 square miles. Zero of gage is 5,343.87 feet above mean sea level, datum of 1929.

Records Available—May 1, 1888 to September 30, 1944.

Maximum discharge during period 1888-1944; 19,000 second feet August 2, 1921, from rating curve extended above 4,000 second feet. Gage height 10.7 feet.

Maximum Discharge—Year 1943; 3,340 second feet, August 18. Gage height 4.62 feet.

Maximum Discharge—Year 1944; 9,020 second feet, July 4. Gage height 8.12 feet.

Accuracy—Records considered good.

Diversions for irrigation above station. Grape Creek enters from south one mile upstream.

ARKANSAS RIVER AT PORTLAND, COLORADO

Location—Water stage recorder in Sec. 21, T. 19 S., R. 68 W., at lower edge of Portland, a short distance upstream from Hard-scrabble Creek.

Drainage Area—3,790 square miles. Zero of gage is 5,021.56 feet above mean sea level, datum of 1929.

Records Available—June 1, 1939 to September 30, 1944.

Maximum discharge during period 1939-1944; 15,980 second feet August 13, 1942, from rating curve extended above 5,000 second feet. Gage height 10.40 feet.

Maximum Discharge—Year 1943; 4,560 second feet, July 24. Gage height 5.33 feet.

Maximum Discharge—Year 1944; 9,720 second feet, July 5, from rating curve extended above 5,000 second feet. Gage height 8.12 feet.

Accuracy—Records considered good, except those during period of missing gage heights, October 27 to November 5, 1942, and period of ice effect, December 9-16, 1942 which were computed on basis of one discharge measurement, weather records, and comparison with upper station, and are fair.

Diversions above station for irrigation and regulation same as for stations at Salida and Granite.

ARKANSAS RIVER NEAR PUEBLO, COLORADO

Location—Water stage recorder in Sec. 34, T. 20 S., R. 65 W., at intake of South Side water-works 4 miles west of center of Pueblo. Both South Side and North Side water-works divert above station. Dry Creek enters a short distance downstream.

Drainage Area—4,730 square miles. Zero of gage is 4,689.82 feet above mean sea level, datum of 1929.

Records Available—May 1, 1885 to September 30, 1887; September 19, 1894 to September 30, 1944. Station was maintained at site nine miles upstream from Pueblo in 1887 and 1889.

Maximum discharge during period 1885-1887, 1894-1944; 103,000 second feet, slope area measurement, including estimated discharge of Dry Creek 19,500 second feet, June 3, 1921. Gage height 24.66 feet from gage at Pueblo.

Maximum Discharge—Year 1943; 3,320 second feet, August 18.

Maximum Discharge—Year 1944; 5,980 second feet, July 5.

Accuracy—Records considered good except those during period of ice effect, January 18-22, December 9-16, 1943; January 6-18, 1944, which are fair.

Diversions for irrigation above station. The North Side water works diverts considerable water around station, wasting the major portion back to river. Records include diversions above station by North Side water works intake since October 1, 1934, but do not include this diversion from May, 1925, to September, 1934.

ARKANSAS RIVER NEAR AVONDALE, COLORADO

Location—Water stage recorder in Sec. 1, T. 21 S., R. 63 W., 800 feet downstream from Nyberg Bridge, $\frac{1}{2}$ mile upstream from Six Mile Creek, and $2\frac{1}{2}$ miles west of Avondale.

Drainage Area—6,350 square miles. Zero of gage is 4,508.16 feet above mean sea level, datum of 1929.

Records Available—May 1, 1939 to September 30, 1944.

Maximum discharge during period 1939-1944; 18,980 second feet April 24, 1942, from rating curve extended above 7,000 second feet. Gage height 7.79 feet.

Maximum Discharge—Year 1943; 3,520 second feet, August 18. Gage height 3.88 feet.

Maximum Discharge—Year 1944; 5,360 second feet, July 19. Gage height 5.32 feet.

Accuracy—Records considered good except those for period of no gage heights, October 29 to November 20, 1942, which were computed on the basis of one discharge measurement and comparison with Pueblo station, and are fair.

Diversions for irrigation and storage above station.

ARKANSAS RIVER NEAR NEPESTA, COLORADO

Location—Water stage recorder in Sec. 31, T. 21 S., R. 60 W., above diversion dam of Oxford Farmers Company canal, $1\frac{1}{4}$ miles west of Nepesta. Records corrected for Oxford Farmers canal waste 1918 to 1926, not corrected from 1927 to June, 1936. Since June, 1936, records include all river flow above Oxford Farmers canal dam.

Drainage Area—9,130 square miles. Zero of gage is 4,378.68 feet above mean sea level, datum of 1929.

Records Available—September 8, 1897 to October 31, 1903; July 14, 1909 to November 12, 1912; January 1, 1914 to September 30, 1944. During period 1918 to June 4, 1921, station maintained at Nepesta.

Maximum discharge during period 1897-1903, 1909-1912, 1914-1944; 180,000 second feet, by slope area measurement at point nine miles upstream, June 4, 1921.

Maximum Discharge—Year 1943; 2,860 second feet August 18. Gage height 4.35 feet.

Maximum Discharge—Year 1944; 8,680 second feet, July 19. Gage height 5.80 feet.

Accuracy—Records considered good except those for period of ice effect, January 18-25, December 10-19, 1943; January 11-17, 1944, which were computed on basis of two discharge measurements, weather records, and comparison with the Arkansas River station at Avondale, and are fair.

Diversions for irrigation and storage above station.

ARKANSAS RIVER AT LA JUNTA, COLORADO

Location—Water stage recorder in Sec. 2, T. 24 S., R. 55 W., at East Bridge in La Junta just upstream from King Arroya. This station has been maintained at several different sites in La Junta during period of record, but all records are equivalent.

Drainage Area—12,200 square miles. Zero of gage is 4,039.60 feet above mean sea level, datum of 1929.

Records Available—May to August, 1889; December, 1893 to December, 1895; January to December, 1901; April to October, 1903; August to November, 1908; April, 1912 to September 30, 1944.

Maximum discharge during period 1889, 1893-1895, 1901, 1903, 1908, 1912-1944; 200,000 second feet, by slope area method, June 4, 1921. Gage height 18.4 feet.

Maximum Discharge—Year 1943; 2,890 second feet, October 18. Gage height 5.50 feet.

Maximum Discharge—Year 1944; 7,730 second feet May 28. Gage height 7.05 feet.

Accuracy—Records considered good. Discharge computed during periods of ice effect, January 17-21, 1943 and January 7-9, 1944, and are fair.

Diversions for storage and irrigation above station.

ARKANSAS RIVER AT LAS ANIMAS, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 2, T. 23 S., R. 52 W., $\frac{1}{3}$ mile downstream from highway bridge, and one mile north of Las Animas.

Drainage Area—14,500 square miles. Zero of gage is 3,874.97 feet above mean sea level, adjustment of 1929.

Records Available—May 23, 1939 to September 30, 1944.

Maximum discharge during period 1939-1944; 23,600 second feet April 25, 1942. Gage height 12.58 feet.

Maximum Discharge—Year 1943; 2,740 second feet, October 18. Gage height 5.88 feet.

Maximum Discharge—Year 1944; 9,280 second feet, May 28. Gage height 8.65 feet.

Accuracy—Records considered good except during period of ice effect, January 17-23, March 2-4, 1943, which are fair.

Diversions for storage and irrigation above station.

ARKANSAS RIVER AT CADDOA, COLORADO

Location—Water stage recorder in northwest corner of Sec. 4, T. 23 S., R. 49 W., just upstream from Caddoa Creek and 2 miles east of Caddoa.

Drainage Area—19,000 square miles. Zero of gage is 3,737.40 feet above mean sea level, datum of 1929. Prior to February 4, 1943. recorder at site 700 feet upstream and zero of gage was 3,741.04 feet.

Records Available—February 7, 1938 to September 30, 1944.

Maximum discharge during period 1938-1944; 50,000 second feet April 24, 1942, by slope area method. Gage height 10.46 feet.

Maximum Discharge—Year 1943; 5,270 second feet, October 19. Gage height 3.66 feet.

Maximum Discharge—Year 1944; 4,640 second feet, May 31. Gage height 6.17 feet.

Accuracy—Records considered good.

Diversions for irrigation and storage above station. Flow controlled by Caddoa Reservoir, capacity 296,500 acre feet, up to lip of overflow section; capacity when gates are installed 655,000 acre feet.

ARKANSAS RIVER AT LAMAR, COLORADO

Location—Water stage recorder in Sec. 30, T. 22 S., R. 46 W., 800 feet downstream from highway bridge, 1 mile north of Lamar. Prior to June 4, 1941, at site 800 feet upstream, and at datum one foot higher. Lamar Canal diverts 1 mile upstream and at times wastes water to the river $\frac{1}{4}$ mile downstream from station.

Drainage Area—19,800 square miles. Zero of gage is 3,605.02 feet above mean sea level, datum of 1929.

Records Available—May 11, 1913 to September 30, 1944.

Maximum discharge during period 1913-1944; 165,000 second feet (slope area measurement) June 5, 1921.

Maximum Discharge—Year 1943; 5,200 second feet October 19. Gage height 4.31 feet.

Maximum Discharge—Year 1944; 4,680 second feet, May 31. Gage height 4.17 feet.

Accuracy—Records considered good except for period of no gage height, July 16-20, 1943, which were estimated, and are fair.

Diversions for irrigation and storage above station.

ARKANSAS RIVER AT HOLLY, COLORADO

Location—Water stage recorder in Sec. 14, T. 23 S., R. 42 W., at highway bridge $\frac{1}{2}$ mile south of Holly. Wild Horse Creek enters river just downstream from gage.

Drainage Area—25,000 square miles. Zero of gage is 3,377.95 feet above mean sea level, datum of 1929.

Records Available—October 15, 1907 to September 30, 1944.

Maximum discharge during period 1907-1944; 136,000 second feet (slope area method) October 20, 1908. Gage height 11.0 feet, former datum.

Maximum Discharge—Year 1943; 5,430 second feet October 20. Gage height 6.69 feet.

Maximum Discharge—Year 1944; 5,170 second feet June 4. Gage height 5.64 feet.

Accuracy—Records considered good except those below 100 second feet, which are fair and during periods of chain gage readings October 1, 1942 to November 4, and August 2, 1943 to February 3, 15-21, 1944.

Diversions for irrigation and storage above station.

GRAPE CREEK NEAR WESTCLIFFE, COLORADO

Location—Water stage recorder in Sec. 36, T. 21 S., R. 73 W., at concrete control 1 mile above DeWeese-Dye Reservoir and 3 miles northwest of Westcliffe.

Drainage Area—346 square miles. Altitude 7,800 feet above mean sea level.

Records Available—December 1, 1924 to January 30, 1928; March 25, 1930 to September 30, 1944.

Maximum discharge during period 1924-1928, 1930-1944; 1,960 second feet, April 23, 1942, computed by weir formula with overflow estimated. Gage height 5.26 feet.

Maximum Discharge—Year 1943; 182 second feet March 9. Gage height 1.21 feet.

Maximum Discharge—Year 1944; 1,280 second feet April 13, computed by weir formula with overflow estimated. Gage height 4.01 feet.

Accuracy—Records considered excellent except those for period of ice effect November 22-23, December 6, 1942 to March 3, 1943, November 27, 1943 to March 10, 1944, March 21-30, 1944, computed on basis of 3 discharge measurements and weather reports, and are fair.

Diversions for irrigation above station.

FOUNTAIN CREEK NEAR FOUNTAIN, COLORADO

Location—Water stage recorder in Sec. 4, T. 17 S., R. 65 W., 1 mile downstream from Little Fountain Creek, and 6 miles south of Fountain, just upstream from railroad bridge.

Drainage Area—676 square miles. Zero of gage is 5,341.74 feet above mean sea level, adjustment of 1929.

Records Available—October 1, 1938 to September 30, 1944.

Maximum discharge during period 1938-1944; 22,100 second feet, by slope area method, May 28, 1940. Gage height 9.19 feet.

Maximum Discharge—Year 1943; 3,400 second feet August 5 from rating curve extended above 900 second feet. Gage height 5.25 feet.

Maximum Discharge—Year 1944; 3,120 second feet July 15 from rating curve extended above 900 second feet. Gage height 5.22 feet.

Accuracy—Records considered poor.

Diversions for irrigation above station.

FOUNTAIN CREEK AT PUEBLO, COLORADO

Location—Water stage recorder in Sec. 30, T. 20 S., R. 64 W., at 8th Street Bridge in Pueblo, 2 miles upstream from mouth.

Drainage Area—932 square miles. Zero of gage is 4,663.45 feet above mean sea level, adjustment of 1929.

Records Available—1922-1925; October 1, 1941 to September 30, 1944.

Maximum discharge recorded, 35,000 second feet May 30, 1935, by slope area method.

Maximum Discharge—Year 1943; 324 second feet May 22. Gage height 4.78 feet.

Maximum Discharge—Year 1944; 13,000 second feet August 4. Gage height 8.51 feet.

Accuracy—Records considered fair. During periods of ice effect December 27-29, 1942, January 17-19, March 8-10, 1943, and period of no gage heights, August 1-6, 1944, discharges were estimated.

Diversions for irrigation above station.

MONUMENT CREEK AT PIKEVIEW, COLORADO

Location—Wire-weight gage in Sec. 18, T. 13 S., R. 66 W., at Pikeview, 1 mile downstream from Cottonwood Creek.

Drainage Area—204 square miles. Zero of gage is 6,203.31 feet above mean sea level, adjustment of 1912.

Records Available—October 1, 1938 to September 30, 1944.

Maximum discharge observed during period 1938-1944; 734 second feet April 23, 1942 from rating curve extended above 360 second feet. Gage height 3.86 feet.

Maximum Discharge Observed—Year 1943; 466 second feet July 24 from rating curve extended above 360 second feet. Gage height 3.65 feet.

Maximum Discharge Observed—Year 1944; 366 second feet May 14. Gage height 3.12 feet.

Accuracy—Records considered poor. Gage read twice daily.

Diversions above station for irrigation and storage.

ST. CHARLES RIVER NEAR PUEBLO, COLORADO

Location—Water stage recorder in Sec. 23, T. 21 S., R. 64 W., at County bridge 500 feet downstream from Bessemer Ditch syphon, 7 miles southeast of Pueblo and 8 miles upstream from mouth.

Drainage Area—464 square miles.

Records Available—April 1, 1942 to September 30, 1944.

Maximum discharge known; 56,000 second feet June 3, 1921.

Maximum Discharge—Year 1943; 3,150 second feet August 18, slope area determination. Gage height 4.53 feet.

Maximum Discharge—Year 1944; 4,830 second feet July 18. Gage height 5.58 feet.

Accuracy—Records considered fair.

Diversions for irrigation and storage above station.

SIX MILE CREEK NEAR AVONDALE, COLORADO

Location—Water stage recorder in Sec. 1, T. 21 S., R. 63 W., 1,000 feet upstream from mouth and $2\frac{1}{2}$ miles west of Avondale.

Drainage Area—50 square miles.

Records Available—August, 1941 to September 30, 1944.

Maximum discharge observed during period 1941-1944; 548 second feet July 12, 1944. Gage height 3.77 feet.

Maximum Discharge—Year 1943; 14 second feet May 8. Gage height 1.75 feet. (Probably higher on October 17, but no record of gage height.)

Maximum Discharge—Year 1944; 548 second feet July 12. Gage height 3.77 feet.

Accuracy—Records considered fair.

No diversions above station. Flow is mostly return water from irrigated lands.

CHICO CREEK NEAR NORTH AVONDALE, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ Sec. 31, T. 20 S., R. 62 W., on state highway No. 96, 1 mile upstream from mouth and $1\frac{1}{2}$ miles west of North Avondale.

Drainage Area—815 square miles.

Records Available—April 14, 1942 to September 30, 1944.

Maximum discharge during period 1942-1944; 3,320 second feet September 1, 1942 from rating curve extended above 2,000 second feet on basis of slope area determination. Gage height 4.11 feet.

Maximum discharge known; 28,600 second feet June 3, 1921, by slope area method.

Maximum Discharge—Year 1943; 36 second feet March 2. Gage Height 1.15 feet.

Maximum Discharge—Year 1944; 70 second feet August 4. Gage height 1.60 feet.

Accuracy—Records considered fair.

No diversions above station.

HUERFANO RIVER AT MANZANARES CROSSING NEAR REDWING, COLORADO

Location—Water stage recorder in Sec. 5, T. 27 N., R. 71 W., at Manzanares Crossing $3\frac{1}{2}$ miles southwest of Redwing.

Drainage Area—76 square miles.

Records Available—July 14, 1923 to September 30, 1944. No winter records prior to 1936.

Maximum discharge during period 1923-1944; maximum gage height 4.80 feet July 27, 1934, discharge not determined.

Maximum Discharge—Year 1943; 200 second feet June 30. Gage height 1.02 feet.

Maximum Discharge—Year 1944; 336 second feet May 15. Gage height 1.39 feet.

Accuracy—Records considered good except those during ice effect periods, November 22-23, December 6, 1942 to March 8, 1943, March 16-20 and November 7-10, 17-19, 24, 1943 to April 11, 1944. Discharges computed on basis of six discharge measurements, weather records and comparison with station at Badito, and are fair.

Diversions for irrigation above station.

HUERFANO RIVER AT BADITO, COLORADO

Location—Water stage recorder in Sec. 5, T. 27 S., R. 68 W., 250 feet upstream from South Oak Creek and 0.4 mile west of Badito.

Drainage Area—513 square miles.

Records Available—August 28 to November 30, 1912; April 1, 1923 to September 30, 1925; March 6, 1938 to September 30, 1944.

Maximum discharge during period 1912, 1923-1925, 1938-1944; 3,150 second feet August 2, 1939, from rating curve extended above 1,300 second feet. Gage height 9.01 feet. Maximum stage known, 12.8 feet, gage height from flood marks July 27 or 28, 1936, discharge 5,000 second feet, from rating curve extended above 650 second feet.

Maximum Discharge—Year 1943; 365 second feet, July 25. Gage height 5.65 feet.

Maximum Discharge—Year 1944; 2,200 second feet, from slope area determination, July 5. Gage height 7.90 feet.

Accuracy—Records considered poor.

Diversions for irrigation above station.

HUERFANO RIVER NEAR MUSTANG, COLORADO

Location—Water stage recorder in SW $\frac{1}{4}$ Sec. 20, T. 25 S., R. 65 W., $2\frac{1}{4}$ miles downstream from Apache Creek, and $2\frac{1}{2}$ miles south of Mustang.

Drainage Area—804 square miles.

Records Available—February 4, 1942 to September 30, 1944. This station is 5 miles downstream from station maintained 1924-1928. Records not equivalent, as Apache Creek enters between sites.

Maximum discharge during period 1942-1944; 26,000 second feet, August 14, 1942, slope area measurement. Gage height 9.60 feet.

Maximum Discharge—Year 1943; 3,200 second feet August 16. Gage height 3.80 feet.

Maximum Discharge—Year 1944; 1,530 second feet July 13. Gage height 3.33 feet.

Accuracy—Records considered fair.

Diversions for irrigation and storage above station.

HUERFANO RIVER BELOW HUERFANO VALLEY DAM NEAR UNDERCLIFFE, COLORADO

Location—Water stage recorder in NE $\frac{1}{4}$ Sec. 32, T. 23 S., R. 63 W., at mouth of canyon, $\frac{1}{4}$ mile below diversion dam for Huerfano Valley Ditch, 8 miles southwest of Undercliffe.

Drainage Area—1,710 square miles. Zero of gage is 4,872.02 feet above mean sea level, datum of 1929.

Records Available—May 16, 1938 to September 30, 1939, at site 600 feet above diversion dam one-half mile upstream; August to December, 1908, at site one and one-half miles downstream; October 1939 to September 30, 1944, at present site. Records equivalent for high flows only.

Maximum discharge during period 1938-1944; 15,000 second feet August 14, 1942, by slope area and weir methods. Gage height 7.00 feet. Flood of July 27-28, 1936, reached stage of 11.4 feet, gage datum of 1938. Discharge 26,600 second feet, by computation of flow over dam.

Maximum Discharge—Year 1943; 3,700 second feet August 16 by slope area method. Gage height 3.05 feet.

Maximum Discharge—Year 1944; 3,830 second feet June 29. Gage height 3.06 feet.

Accuracy—Records considered poor.

Diversions for irrigation above station.

CUCHARAS RIVER AT BOYD RANCH NEAR LA VETA, COLORADO

Location—Water stage recorder in Sec. 24, T. 30 S., R. 69 W., at Boyd Ranch 6 miles south of La Veta.

Drainage Area—56 square miles (Revised 1945).

Records Available—January 1, 1923 to September 30, 1944. Prior to October, 1934, station located two miles downstream. Records not comparable.

Maximum discharge during period 1935-1944, 405 second feet, September 5, 1944. Gage height 3.77 feet.

Maximum Discharge—Year 1943; 57 second feet May 9. Gage height 1.30 feet.

Maximum Discharge—Year 1944; 405 second feet September 5. Gage height 3.77 feet.

Accuracy—Records considered good except those for periods of ice effect, November 21-23, December 6-19, 26-31, 1942, January 2-9, 17-20, 26, 27, 29, February 4-6, 10-11, March 1-7, 16-19, November 9, 10, 27, 28, December 9-16, 27-31, 1943, January 1-13, 26-31, February 11-16, 19, March 6-9, 19, 22, 1944, computed on basis of discharge measurements and weather records, and are fair.

Diversions for irrigation above station.

APISHAPA RIVER NEAR AGUILAR, COLORADO

Location—Water stage recorder in Sec. 33, T. 30 S., R. 65 W., 0.1 mile upstream from diversion dam for Aguilar Ditch and 1.5 miles southwest of Aguilar.

Drainage Area—130 square miles. Zero of gage is 6,408.11 feet above mean sea level, adjustment of 1929.

Records Available—April 1, 1938 to September 30, 1939. October 1, 1939 to September 30, 1944. Station at site at southwest edge of Aguilar March 3, 1938-September 30, 1939. Moved to site 2 miles upstream October 1, 1939. Moved to site 0.2 mile farther upstream September 4, 1943. Station moved 0.6 mile downstream to present site July 7, 1944. Records since October 1, 1939 are equivalent.

Maximum discharge during period 1939-1944; 3,870 second feet, June 17, 1941, by slope area method. Gage height 7.50 feet.

Maximum Discharge—Year 1943; 1,810 second feet August 28 from rating curve extended above 150 second feet on basis of slope area determination. Gage height 13.78 feet, site and datum then in use.

Maximum Discharge—Year 1944; 3,200 second feet September 5. Gage height 6.30 feet.

Accuracy—Records considered poor.

Diversions for irrigation above station.

APISHAPA RIVER NEAR WHITE ROCK, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ Sec. 20, T. 26 S., R. 60 W., 3 miles upstream from Buffalo Arroyo, and 6 miles south of White Rock.

Drainage Area—792 square miles.

Records Available—May 6, 1942 to September 30, 1944.

Maximum discharge during period 1942-1944, 6,500 second feet, August 14, 1942, by computation of flow over control weir. Gage height 4.25 feet.

Maximum Discharge—Year 1943; 4,180 second feet August 17 from rating curve extended above 250 second feet. Gage height 3.46 feet.

Maximum Discharge—Year 1944; 3,350 second feet July 19.
Gage height 3.28 feet.

Accuracy—Records considered fair.

Diversions for irrigation above station.

APISHAPA RIVER NEAR FOWLER, COLORADO

Location—Water stage recorder in Sec. 35, T. 22 S., R. 59 W., at concrete highway bridge 4 miles upstream from mouth and 4 miles southeast of Fowler.

Drainage Area—1,130 square miles. Zero of gage is 4,317.05 feet above mean sea level, datum of 1929.

Records Available—April 1, 1922 to September 30, 1925; May, 1939 to September 30, 1944.

Maximum discharge during period 1922-1925, 1939-1944; 50,000 second feet August 22, 1923, based on slope area measurement. Gage height 24.70 feet.

Maximum Discharge—Year 1943; 2,840 second feet August 17. Gage height 7.43 feet.

Maximum Discharge—Year 1944; 3,180 second feet July 19. Gage height 7.65 feet.

Accuracy—Records considered fair.

Diversions for irrigation above station. Oxford Farmers and Rocky Ford Highline Canals waste water into stream above station.

TIMPAS CREEK NEAR ROCKY FORD, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 19, T. 24 S., R. 56 W., at Catlin Ditch syphon, 8 miles south of Rocky Ford and 9 miles upstream from mouth.

Drainage Area—465 square miles.

Records Available—October 1, 1941 to September 30, 1944.

Maximum discharge during period 1941-1944; 4,300 second feet, August 14, 1942 (slope-area determination). Gage height 8.42 feet.

Maximum Discharge—Year 1943; 1,110 second feet August 20. Gage height 3.58 feet.

Maximum Discharge—Year 1944; 2,450 second feet May 29. Gage height 5.77 feet.

Accuracy—Records considered fair. During period of no gage height records, January 7-9, 15, 17-20, 25, 29-31, February 1, June 16-20, August 13-17, September 27-28, 1944, discharge computed on basis of records for adjacent station. During ice effect periods, December 9-14, 1943; January 1, 2, 6-31, February 14-18, 1944, computed on basis of four discharge measurements and weather records.

Diversions for irrigation above station.

HORSE CREEK NEAR SUGAR CITY, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 12, T. 21 S., R. 56 W., at highway bridge $1\frac{1}{4}$ miles east of Sugar City.

Drainage Area—About 1,000 square miles.

Records Available—April 13, 1940 to September 30, 1944.

Maximum discharge during period 1940-1944; 5,400 second feet October 23, 1941. Gage height 6.20 feet.

Maximum Discharge—Year 1943; 438 second feet, August 15. Gage height 3.25 feet.

Maximum Discharge—Year 1944; 1,780 second feet, July 19. Gage height 4.43 feet.

Accuracy—Records considered fair. Those during period of ice effect, December 28, 1942, January 5-6, February 1-5, March 1-3, 1943 were estimated.

Diversions for irrigation above station.

PURGATOIRE RIVER AT TRINIDAD, COLORADO

Location—Water stage recorder in Sec. 13, T. 33 S., R. 64 W., at foot of State Street in Trinidad. Station maintained at various sites but records are comparable.

Drainage Area—742 square miles. Zero of gage is 5,987.17 feet above mean sea level.

Records Available—May, 1896 to July, 1899; August to December, 1905; November, 1906 to March, 1907; October, 1907 to November, 1912; April, 1916 to September 30, 1944.

Maximum discharge during period 1896-1899, 1905, 1906-1912, 1916-1944; 45,400 second feet, September 30, 1904, by slope area method. Gage height 16.6 feet, from gage at Commercial Street.

Maximum Discharge—Year 1943; 5,180 second feet, August 17. Gage height 5.15 feet.

Maximum Discharge—Year 1944; 3,560 second feet, June 10. Gage height 4.02 feet.

Accuracy—Records considered good above 200 second feet and fair below. Gage height affected by ice during period December 28, 1943 to January 2, 1944, January 5, 8, 9, 1944.

Diversions for irrigation above station.

PURGATOIRE RIVER AT NINE MILE DAM NEAR HIGBEE,
COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 7, T. 27 S., R. 54 W., 700 feet upstream from Nine Mile Diversion dam, 4 miles southwest of Higbee, $5\frac{1}{2}$ miles upstream from Smith Canyon and 15 miles south of La Junta.

Drainage Area—2,900 square miles. Zero of gage is 4,240.59 feet above mean sea level, datum of 1929.

Records Available—October, 1924 to September 30, 1944.

Maximum discharge during period 1924-1944, 64,500 second feet September 15, 1934, by slope area method. Gage height 12.60 feet.

Maximum Discharge—Year 1943; 16,720 second feet, October 18 from rating curve extended above 7,100 second feet on basis of slope area determination. Gage height 7.48 feet.

Maximum Discharge—Year 1944; 14,080 second feet, May 28 from rating curve extended above 7,100 second feet on basis of slope area determination. Gage height 7.12 feet.

Accuracy—Records considered fair. Discharges during periods July 2-18, 26-28, September 1, October 22, 1943; September 25, 1944, measured through a Parshall flume. During period of ice effect, December 26-30, 1942, December 8-10, 23, 24, 1943, January 27, to February 1, 1944, discharges computed on basis of weather records and comparison with Purgatoire River at Highland Dam.

Diversions for irrigation above station.

PURGATOIRE RIVER AT HIGHLAND (CARMEN) DAM, NEAR LAS ANIMAS, COLORADO

Location—Water stage recorder above diversion dam of Highland Ditch in Sec. 1, T. 25 S., R. 53 W., 11 miles southwest of Las Animas. Tarbox Arroya enters $\frac{1}{4}$ mile downstream.

Drainage Area—3,320 square miles.

Records Available—October 1, 1931 to September 30, 1944.

Maximum discharge during period 1931-1944; 60,500 second feet, April 24, 1942, by slope area method. Gage height 13.29 feet.

Maximum Discharge—Year 1943; 16,080 second feet, October 18 from rating curve extended above 6,000 second feet on basis of slope area determination. Gage height 8.08 feet.

Maximum Discharge—Year 1944; 22,620 second feet, May 28 from rating curve extended above 6,000 second feet on basis of slope area determination. Gage height 8.95 feet.

Accuracy—Records considered good except those below 100 second feet, which are fair. During the period of ice effect December 26-31, 1942, January 14-26, 1943, March 1-3, 12-25, November 28, December 7, 1943, January 7-11, January 29, February 3, March 3-17, 1944, discharges computed on basis of 7 discharge measurements, weather records, and related stations.

Diversions for irrigation above station.

CADDOA CREEK NEAR CADDOA, COLORADO

Location—Water stage recorder in Sec. 9, T. 23 S., R. 49 W., at county highway bridge $\frac{1}{3}$ mile east of new location of Caddoa, and 2 miles upstream from mouth.

Drainage Area—129 square miles.

Records Available—April 14, 1942 to September 30, 1944.

Maximum discharge during period 1942-44; 751 second feet, August 14, 1942 from rating curve extended above 270 second feet. Gage height 4.45 feet.

Maximum Discharge—Year 1943; 317 second feet, August 14. Gage height 2.98 feet.

Maximum Discharge—Year 1944; 436 second feet, May 28. Gage height 3.42 feet.

Accuracy—Records considered fair.

No diversions above station.

RULE CREEK NEAR CADDOA, COLORADO

Location—Water stage recorder on south line of Sec. 36, T. 23 S., R. 51 W., at county highway bridge 9 miles southwest of (new) Caddoa and 5 miles upstream from mouth.

Drainage Area—542 square miles.

Records Available—October 1, 1941 to September 30, 1944.

Maximum discharge during period 1941-1944; 1,720 second feet, June 28, 1943. Gage height 11.30 feet.

Maximum Discharge—Year 1943; 1,720 second feet, June 28. Gage height 11.30 feet.

Maximum Discharge—Year 1944; 297 second feet, May 28. Gage height 5.08 feet.

Accuracy—Records considered fair. Records for period ice effect, January 18-21, 1943, March 2-3, December 9, 10, 21-25, 1943 and January 7, 8, 13-21, February 6, 7, computed on basis of 2 discharge measurements and weather records.

One small diversion above station.

MUD CREEK NEAR CADDOA, COLORADO

Location—Staff gage located in Sec. 24, T. 23 S., R. 49 W., at county bridge 4 miles southeast of (new) Caddoa, and 6 miles upstream from mouth.

Drainage Area—180 square miles.

Records Available—April 1, 1942 to September 30, 1943.

Maximum discharge during period 1942-1943; 718 second feet, April 19, 1942. Gage height 5.30 feet.

Maximum Discharge—Year 1943; 572 second feet, August 17. Gage height 4.45 feet.

Accuracy—Records considered fair. Staff gage read once a day.

Diversions above station for irrigation.

BIG SANDY CREEK ABOVE AMITY CANAL DIVERSION NEAR KORNMAN, COLORADO

Location—Water stage recorder in SW $\frac{1}{4}$ Sec. 21, T. 21 S., R. 45 W., just upstream from Amity Canal diversion from Big Sandy Creek, 7 miles upstream from mouth and 9 miles north-east of Kornman.

Drainage Area—3,410 square miles.

Records Available—October 1, 1941 to September 30, 1944.

Maximum Discharge during period 1941-1944; 2,900 second feet, September 3, 1942. Gage height 5.63 feet.

Maximum Discharge—Year 1943; 72 second feet, October 18. Gage height 1.84 feet.

Maximum Discharge—Year 1944; 475 second feet, April 28. Gage height 3.24 feet.

Accuracy—Records considered poor.

TWO BUTTES CREEK NEAR HOLLY, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ on south line of Sec. 21, T. 23 S., R. 42 W., 1 $\frac{1}{2}$ miles above mouth and 2 $\frac{1}{2}$ miles south of Holly.

Drainage Area—910 square miles.

Records Available—August 1, 1942 to September 30, 1944.

Maximum discharge during period 1942-1944; 1,800 second feet, May 2, 1944. Gage height 4.77 feet. Maximum discharge recorded was 35,000 second feet on October 20, 1908.

Maximum Discharge—Year 1943; 280 second feet, July 12. Gage height 2.50 feet.

Maximum Discharge—Year 1944; 1,800 second feet, May 2. Gage height 4.77 feet.

Accuracy—Records considered fair.

Diversions for storage by Two Buttes Reservoir about 40 miles above station.

WILD HORSE CREEK AT HOLLY, COLORADO

Location—Water stage recorder in Sec. 15, T. 23 S., R. 42 W., just upstream from mouth and $\frac{1}{4}$ mile southeast of Holly.

Drainage Area—212 square miles, of which 39 square miles is dead area. Zero of gage is 3,380.36 feet above mean sea level, datum of 1929.

Records Available—October 1, 1922 to August 28, 1935; November 17, 1938 to September 30, 1944.

Maximum discharge during period 1922-1935, 1938-1944; 22,000 second feet August 28, 1935, by slope area measurement at point 11 miles above station.

Maximum Discharge—Year 1943; 266 second feet, October 13. Gage height 4.49 feet.

Maximum Discharge—Year 1944; 725 second feet, July 25. Gage height 5.90 feet.

Accuracy—Records considered fair. Flow is mostly waste water from Amity Canal.

Diversions for irrigation above station.

HOLLY DRAIN NEAR HOLLY, COLORADO

Location—Water stage recorder in Sec. 16, T. 23 S., R. 41 W., just downstream from Cheyenne Creek, 100 yards west of Colorado-Kansas State line, at Santa Fe railroad bridge, and $3\frac{1}{2}$ miles east of Holly.

Zero of gage is 3,351.97 feet above mean sea level, datum of 1929.

Records Available—January 1, 1924 to September 30, 1944. Records from August 28, 1935 to November 10, 1938, include the flow of Wild Horse Creek. During same period flow of Holly Drain above crossing of Wild Horse Creek enters Arkansas River above station at Holly.

Maximum discharge during period 1924-1944; 1,470 second feet, September 3, 1938, from rating curve extended above 500 second feet on basis of slope area determination. Gage height 10.29 feet.

Maximum Discharge—Year 1943; 133 second feet, October 14. Gage height 9.05 feet.

Maximum Discharge—Year 1944; 267 second feet, June 29. Gage height 8.70 feet.

Accuracy—Records considered fair. During period of ice effect, December 23, 1942 to February 9, 1943, and period of missing gage heights, October 1-8, 1942, June 7-8, 1943, January 2-4, April 16, 22, 1944, discharges were computed on basis of 2 discharge measurements.

Discharge of Arkansas River at Granite, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	112	99	94	100	94	78	243	1080	1290	1830	1290	801
2....	108	99	99	98	94	75	249	1070	1560	1580	1270	836
3....	104	99	98	96	86	74	455	1020	1520	1350	1270	553
4....	99	99	98	99	94	77	474	948	1210	1260	1210	317
5....	100	93	92	95	89	75	503	927	955	1130	1200	306
6....	102	97	89	96	93	75	528	732	829	976	1160	296
7....	106	93	90	99	94	78	787	595	732	976	1150	275
8....	108	91	89	100	90	82	732	584	955	927	1090	258
9....	106	97	*87	101	87	81	672	528	1300	962	590	237
10....	104	85	87	100	*89	78	636	479	1500	885	543	258
11....	104	88	88	100	92	86	211	455	1720	808	569	370
12....	108	90	88	*98	90	88	120	424	1530	750	484	406
13....	128	90	87	102	93	90	159	366	1180	787	762	402
14....	120	88	86	101	93	97	197	355	983	618	1140	394
15....	118	91	89	101	92	93	228	351	976	630	1100	220
16....	120	90	92	101	92	78	314	351	1050	702	708	154
17....	118	88	92	100	90	86	553	339	990	732	479	151
18....	110	93	91	90	90	86	584	386	1050	1090	612	149
19....	106	93	90	96	92	91	624	339	1160	1110	666	178
20....	102	93	90	94	92	93	672	314	1300	1020	654	189
21....	102	91	88	98	91	93	726	351	1440	1070	538	178
22....	102	90	91	99	92	78	801	378	1580	1190	432	175
23....	102	100	96	100	87	79	801	382	1560	1170	484	183
24....	104	90	97	95	86	79	850	406	1480	1020	815	172
25....	102	91	100	92	82	86	983	498	1360	606	927	154
26....	93	88	99	91	79	79	976	612	1640	528	871	314
27....	93	97	100	91	83	192	997	660	1680	553	808	569
28....	97	93	100	94	78	358	997	829	1770	606	1020	574
29....	99	93	98	96	....	355	850	1420	1650	523	1020	584
30....	97	95	96	93	....	343	1020	1630	1840	636	990	474
31....	97	....	98	91	....	252	....	1480	....	1450	815	....
Total	3271	2784	2879	3007	2504	3655	17942	20289	39790	29475	26667	10127
Mean.	106	92.8	92.9	97.0	89.4	118	598	654	1326	951	860	338
Max..	128	100	100	102	94	358	1020	1630	1840	1830	1290	836
Min..	93	85	86	90	78	74	120	314	732	523	432	149
Acre-ft.	6490	5520	5710	5960	4970	7250	35590	40240	78920	58460	52890	20090

Total run-off for period=322,100 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Arkansas River at Granite, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	163	86	106	82	74	74	104	116	638	1440	884	573
2....	158	77	104	82	75	76	100	138	578	1470	891	589
3....	170	77	103	80	72	74	110	110	531	1330	891	573
4....	158	85	103	78	73	70	106	106	452	1280	911	578
5....	147	93	103	75	74	66	116	123	421	1220	898	667
6....	145	96	100	79	74	64	134	200	386	1150	696	673
7....	142	96	99	82	76	*70	127	238	552	1000	678	649
8....	140	106	*98	79	*72	72	138	217	512	877	714	621
9....	138	108	104	80	76	74	138	226	568	720	796	526
10....	134	102	99	80	73	72	108	211	770	744	776	168
11....	129	102	99	82	72	74	104	197	1170	750	803	173
12....	134	102	101	80	69	79	127	238	1700	684	904	158
13....	129	100	98	76	74	82	147	290	1610	531	918	116
14....	127	106	97	*74	68	75	98	329	1610	430	1040	114
15....	125	102	97	80	72	70	82	361	1530	457	1020	123
16....	108	102	96	80	72	76	76	430	1560	667	1050	118
17....	98	102	94	80	71	82	72	403	1480	557	918	116
18....	94	108	93	80	73	79	79	293	1410	480	750	114
19....	98	108	94	80	72	80	91	250	1570	443	870	112
20....	96	106	95	80	74	83	90	244	1660	531	877	106
21....	88	102	94	78	72	77	85	254	1720	649	823	145
22....	94	110	94	78	71	75	85	290	1710	494	770	416
23....	93	114	93	79	71	78	83	434	1600	443	738	443
24....	88	112	90	78	70	78	90	702	1600	452	369	408
25....	93	108	90	78	73	72	91	1010	1680	466	344	408
26....	90	106	88	76	70	67	94	979	1730	377	361	377
27....	90	108	88	74	72	65	129	610	1720	329	314	250
28....	91	104	87	76	74	62	151	452	1540	377	348	102
29....	93	106	85	76	73	72	123	526	1390	744	702	112
30....	93	105	85	74	....	90	110	594	1390	857	673	110
31....	91	....	84	74	....	114	....	638	....	925	605	....
Total	3637	3039	2961	2430	2102	2342	3188	11209	36788	22874	23332	9638
Mean.	117	101	95.5	78.4	72.5	75.5	106	362	1226	738	753	321
Max..	170	114	106	82	76	114	151	1010	1730	1470	1050	673
Min..	88	77	84	74	68	62	72	106	386	329	314	102
Acre-ft.	7210	6030	5870	4820	4170	4650	6320	22230	72970	45370	46280	19120

Total run-off for period=245,000 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Arkansas River at Salida, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	304	296	260	256	242	224	345	1380	1940	2820	1660	1190
2....	296	304	256	253	249	221	340	1420	2220	2490	1570	1190
3....	292	292	272	249	256	215	462	1470	2290	2220	1530	1090
4....	276	260	268	235	231	218	569	1400	1970	2080	1510	639
5....	276	256	268	242	260	231	606	1360	1470	1940	1480	587
6....	284	249	253	246	246	215	600	1150	1360	1630	1400	562
7....	316	253	246	235	253	215	795	897	1230	1540	1380	533
8....	312	246	246	238	256	224	861	861	1390	1510	1380	511
9....	312	246	246	242	260	235	818	772	1970	1480	1200	505
10....	312	238	249	249	238	231	826	710	2250	1500	879	494
11....	304	231	256	246	246	224	612	653	2570	1380	972	533
12....	312	235	253	242	253	221	296	666	2420	1270	870	600
13....	324	242	249	238	246	221	272	581	1890	1260	879	600
14....	340	238	249	249	256	224	308	587	1540	1150	1440	593
15....	340	246	253	246	256	231	332	600	1440	1120	1330	550
16....	340	246	256	246	253	212	369	626	1520	1190	1280	393
17....	345	238	264	246	253	203	556	646	1620	1120	931	378
18....	336	249	256	253	249	231	680	612	1750	1270	1000	374
19....	316	246	253	228	249	215	726	581	1950	1310	1050	369
20....	308	249	246	246	256	218	779	544	2120	1300	1070	404
21....	304	253	246	249	256	218	826	505	2320	1320	962	404
22....	308	242	238	253	260	221	943	556	2480	1540	803	398
23....	308	249	246	256	260	231	1000	581	2490	1540	741	404
24....	312	268	256	256	242	231	1040	653	2490	1430	972	404
25....	304	276	264	242	242	242	1220	733	2350	1110	1150	374
26....	300	256	268	238	231	231	1250	1020	2520	834	1190	340
27....	292	256	260	238	224	249	1230	1160	2580	870	1090	639
28....	288	272	253	242	238	430	1270	1340	2730	803	1210	695
29....	288	260	264	249	....	489	1130	1960	2580	1300	1270	710
30....	288	268	253	253	....	483	1250	2440	2750	1610	1280	718
31....	288	....	249	249	....	424	....	2290	....	1790	1230	....
Total	9525	7660	7896	7610	6961	7878	22311	30754	62200	45727	36709	17181
Mean.	307	255	255	245	249	254	744	992	2073	1475	1184	573
Max.	345	304	272	256	260	489	1270	2440	2750	2820	1660	1190
Min.	276	231	238	228	224	203	272	505	1230	803	741	340
Ac.-ft.	18890	15190	15660	15090	13810	15630	44250	61000	123400	90700	72810	34080

Total run-off for period=520,500 acre-feet.

Discharge of Arkansas River at Salida, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	483	292	292	224	212	206	218	235	1170	2180	1140	654
2....	354	284	288	224	212	215	212	256	1100	2180	1120	647
3....	345	288	280	224	206	221	212	268	953	2170	1110	647
4....	340	292	280	218	206	212	231	242	826	2000	1100	633
5....	328	292	280	212	209	209	246	238	688	1970	1090	705
6....	312	308	276	221	209	200	264	276	653	1850	899	745
7....	312	308	272	231	215	191	268	378	962	1680	803	745
8....	320	304	280	221	212	194	272	364	1180	1500	794	705
9....	320	320	284	224	215	200	296	378	1170	1290	937	698
10....	320	350	272	228	206	209	284	388	1540	1210	956	468
11....	324	340	272	228	200	212	260	374	1990	1250	937	320
12....	332	322	276	224	194	218	284	404	2530	1190	1020	311
13....	340	324	268	215	209	224	288	489	2420	1020	1040	290
14....	320	324	268	231	191	228	276	562	2290	880	1140	259
15....	308	320	264	231	203	218	246	626	2180	812	1200	252
16....	300	316	264	228	203	206	235	733	2130	984	1180	244
17....	284	216	260	228	200	212	235	772	2130	956	1130	241
18....	280	316	253	224	203	221	228	626	2220	854	928	237
19....	288	316	260	224	200	206	228	522	2320	812	1040	234
20....	304	312	264	224	206	215	231	483	2600	863	1070	227
21....	300	312	260	224	203	218	224	478	2820	1170	1040	223
22....	300	308	260	218	200	197	215	505	2840	871	994	320
23....	300	316	253	218	200	197	212	600	2580	778	956	473
24....	292	316	249	221	197	206	215	1010	2520	778	737	514
25....	292	312	249	221	206	206	218	1250	2690	820	462	532
26....	292	308	242	215	197	203	221	1600	2810	712	502	520
27....	284	292	242	212	200	197	228	1250	2680	620	485	456
28....	288	296	238	215	209	194	312	748	2420	574	429	334
29....	308	292	235	215	203	188	284	795	2200	812	668	248
30....	300	292	235	209	....	194	249	953	2200	1020	778	244
31....	292	....	231	209	....	215	....	1150	....	1090	728	....
Total	9762	9298	8147	6861	5926	6432	7392	18953	55812	36896	28414	13126
Mean.	315	310	263	221	204	207	246	611	1960	1190	917	438
Max.	483	350	292	231	215	228	312	1600	2840	2180	1200	745
Min.	280	284	231	209	191	188	212	235	653	574	429	223
Ac.-ft.	19360	18440	16160	13610	11750	12760	14660	37590	116700	73180	56360	26040

Total run-off for period=416,600 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Arkansas River at Canon City, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	361	384	421	425	380	347	581	1400	2240	2350	1730	1320
2....	358	388	421	425	388	320	512	1480	2280	2700	1640	1340
3....	350	404	443	404	384	336	507	1560	2530	2420	1550	1280
4....	340	365	434	384	354	372	795	1580	2290	2290	1490	981
5....	333	354	434	380	372	396	888	1540	1750	2180	1620	665
6....	340	343	408	400	368	368	920	1340	1420	1910	1470	600
7....	333	347	380	384	388	376	1110	1110	1270	1730	1380	568
8....	317	354	365	368	400	380	1540	928	1260	1690	1430	536
9....	317	350	396	392	396	400	1590	920	1730	1650	1330	518
10....	301	350	412	421	368	461	1640	795	2070	1670	1050	465
11....	296	330	430	416	347	425	1530	688	2410	1550	879	465
12....	317	317	443	408	372	404	849	668	2450	1370	981	555
13....	336	323	392	404	350	380	507	668	2130	1240	837	620
14....	365	340	380	421	350	365	488	603	1740	1190	1130	613
15....	372	340	372	400	361	368	523	603	1540	1080	1380	613
16....	404	354	380	400	384	368	533	632	1520	1110	1460	465
17....	461	358	392	350	384	361	638	620	1640	1110	1200	370
18....	479	365	384	350	384	388	1050	603	1690	1180	1390	370
19....	447	376	380	317	365	388	1120	586	1870	1300	1140	356
20....	408	365	376	333	361	384	1170	518	2070	1250	1130	361
21....	408	376	376	434	376	368	1230	497	2230	1250	1090	365
22....	412	358	368	443	368	358	1330	488	2340	1390	973	347
23....	438	368	372	443	350	365	1410	512	2420	1070	812	356
24....	443	404	392	438	354	350	1450	576	2430	1700	812	375
25....	438	412	412	412	350	336	1300	620	2350	1290	1120	361
26....	425	396	447	372	350	350	1290	802	2410	956	1190	324
27....	416	388	416	372	336	336	1230	1100	2520	845	1130	405
28....	408	416	400	388	347	412	1260	1280	2610	896	1120	780
29....	404	430	443	380	....	656	1220	1760	2660	938	1260	870
30....	404	421	421	400	....	694	1150	2600	2860	1700	1310	870
31....	388	....	430	392	....	708	....	2540	....	1740	1340	....
Total	11819	11076	12520	12256	10287	12520	31361	31617	62730	47345	38374	18115
Mean.	381	369	404	395	367	404	1045	1020	2091	1527	1238	604
Max.	479	430	447	443	400	708	1640	2600	2860	2950	1730	1340
Min.	296	317	365	317	336	320	488	488	1260	845	812	324
Ac.-ft.	23440	21970	24830	24310	20400	24830	62200	62710	124400	93910	76110	35930

Total run-off for period=595,000 acre-feet.

Discharge of Arkansas River at Canon City, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	788	274	374	298	289	324	355	311	1920	2520	1130	657
2....	433	265	370	298	277	317	344	317	1870	2470	1100	579
3....	362	252	355	304	277	341	324	359	1680	2530	1070	590
4....	359	260	359	317	274	330	341	344	1530	2500	1050	596
5....	341	263	355	286	271	327	366	311	1270	2480	1060	637
6....	317	274	359	295	271	324	395	320	1150	2190	966	707
7....	298	292	366	324	280	314	408	400	1340	2070	795	714
8....	295	292	362	289	280	320	362	558	1830	1820	751	700
9....	298	308	383	292	286	330	480	529	1880	1560	803	671
10....	298	341	352	311	277	359	524	553	2240	1380	934	650
11....	300	355	359	324	277	408	404	535	2700	1370	902	336
12....	305	344	366	304	274	423	418	529	3030	1310	926	298
13....	305	327	370	298	286	433	438	678	2810	1200	1000	279
14....	308	324	366	298	277	463	448	914	2660	1010	1040	261
15....	308	317	359	317	277	469	395	1010	2600	910	1140	244
16....	295	301	344	327	289	413	370	1210	2480	926	1140	232
17....	286	308	344	320	274	374	379	1280	2500	1050	1150	230
18....	265	301	341	320	274	433	387	1100	2480	966	1010	223
19....	258	298	355	314	271	408	379	796	2550	1370	910	223
20....	265	292	355	308	271	423	391	678	2760	983	1030	208
21....	280	292	355	308	280	448	433	685	3100	1180	1050	198
22....	271	295	348	311	274	443	413	699	3110	1230	991	194
23....	280	311	334	308	277	413	400	842	2900	958	950	325
24....	268	317	334	301	274	433	395	1160	2780	926	902	474
25....	260	327	327	314	263	448	370	1530	2860	926	544	500
26....	260	344	327	304	250	428	383	2010	3090	878	450	506
27....	260	341	327	301	250	370	387	1890	3090	743	455	506
28....	255	359	301	283	265	362	423	1530	2850	623	423	396
29....	263	362	295	301	265	344	518	1380	2570	616	414	288
30....	286	374	314	289	....	320	366	1480	2570	966	743	242
31....	268	....	308	298	....	334	....	1730	....	1060	736	....
Total	9635	9310	10764	9462	7950	11876	11996	27668	72200	42721	27565	12664
Mean.	311	310	347	305	274	383	400	893	2407	1378	889	422
Max.	788	374	383	327	289	469	524	2010	3110	2530	1150	714
Min.	255	252	295	283	250	314	324	311	1150	616	414	194
Ac.-ft.	19110	18470	21350	18770	15770	23560	23790	54880	143200	84740	54670	25120

Total run-off for period=503,400 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Arkansas River at Portland, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	330	405	453	479	470	379	540	1380	2160	3400	1900	1090
2....	372	410	444	479	427	357	475	1470	2110	3070	1700	1090
3....	406	430	466	462	415	347	457	1480	2470	2620	1590	1050
4....	415	405	466	427	379	375	612	1520	2240	2380	1520	800
5....	419	391	479	423	379	406	693	1460	1730	2220	1550	540
6....	415	391	457	431	387	423	726	1260	1370	1900	1620	504
7....	410	383	427	415	394	419	880	1160	1250	1640	1380	474
8....	410	387	410	394	410	436	1300	1040	1180	1610	1370	451
9....	415	375	419	427	419	431	1140	1040	1650	1590	1380	434
10....	368	375	436	444	398	457	1080	872	2120	1590	961	425
11....	361	364	444	453	372	419	1040	785	2660	1500	834	429
12....	383	347	462	431	406	415	700	719	2820	1330	860	465
13....	453	350	457	423	406	387	448	726	2420	1190	756	524
14....	488	364	462	448	398	375	415	648	1860	1200	933	514
15....	509	361	453	457	406	383	427	630	1570	1020	1240	504
16....	493	368	448	509	398	368	444	642	1560	1030	1480	442
17....	588	372	457	440	402	357	466	636	1690	1070	1610	354
18....	535	375	470	406	394	364	733	680	1790	1080	2070	347
19....	484	391	470	391	391	368	785	667	2080	1290	1250	341
20....	457	387	466	427	394	368	793	600	2350	1190	1190	334
21....	448	410	453	564	398	364	848	564	2470	1200	1040	334
22....	440	394	448	570	394	364	907	530	2540	1350	895	357
23....	448	406	457	564	394	364	1000	564	2680	1560	741	328
24....	444	436	466	540	410	361	1040	600	2680	1830	713	331
25....	431	444	493	514	394	361	1140	642	2620	1020	1010	338
26....	423	444	524	470	394	372	1310	793	2580	875	1070	311
27....	425	427	457	470	375	361	1230	1100	2760	869	1040	317
28....	422	453	444	484	372	394	1260	1250	2860	933	990	569
29....	415	457	479	470	....	624	1260	1630	3020	962	1170	629
30....	410	466	479	493	....	686	1140	2420	3160	1800	1190	673
31....	409	....	475	493	....	636	....	2470	....	1840	1200	....
Total	13426	11968	14221	14398	11176	12721	25289	31978	66450	48159	38253	15299
Mean.	433	399	459	464	399	410	843	1032	2215	1554	1234	510
Max..	588	466	524	570	470	686	1310	2470	3160	3400	2070	1090
Min..	330	347	410	391	372	347	415	530	1180	869	713	311
Ac.-ft.	26630	23740	28210	28560	22170	25230	50160	63430	131800	95520	75870	30350

Total run-off for period=601,700 acre-feet.

Discharge of Arkansas River at Portland, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	648	306	322	303	269	250	311	546	2000	2440	1010	575
2....	447	295	325	303	269	262	314	592	2000	2460	1000	519
3....	425	288	320	308	266	269	293	586	1780	2520	980	530
4....	396	290	317	308	264	271	295	552	1640	2470	971	524
5....	380	290	317	293	264	250	325	498	1260	4200	971	623
6....	357	293	320	288	264	247	350	514	1070	2180	933	586
7....	334	303	322	280	264	239	376	654	1230	1910	770	598
8....	328	295	317	300	288	238	360	834	1890	1660	726	592
9....	331	303	305	298	298	244	465	785	1740	1470	726	557
10....	328	317	300	311	286	254	575	809	2350	1300	886	569
11....	331	341	300	314	278	264	447	763	3020	1290	843	400
12....	338	338	310	311	269	271	483	817	3470	1200	826	322
13....	341	325	315	308	281	274	540	942	3640	1120	933	295
14....	338	322	325	308	278	288	604	1110	3260	905	961	271
15....	322	320	340	308	271	295	514	1230	3100	778	1100	244
16....	320	311	354	293	286	276	524	1410	2910	800	1100	234
17....	303	306	350	288	274	266	530	1530	2860	914	1100	233
18....	290	300	347	283	276	314	514	1300	2720	843	971	223
19....	290	295	347	276	269	306	540	924	2740	1390	809	223
20....	295	290	347	274	269	317	535	770	2960	914	1020	212
21....	298	295	357	274	286	322	563	763	3400	1080	1050	209
22....	293	295	344	269	278	306	540	713	3480	1230	971	207
23....	293	295	334	269	276	325	524	733	3210	905	933	238
24....	293	306	331	269	264	328	498	952	2920	843	914	376
25....	288	325	322	276	250	338	470	1500	2940	826	623	396
26....	288	334	325	269	239	338	447	2180	3200	826	493	404
27....	288	325	317	269	231	311	470	2050	3240	726	519	400
28....	286	322	308	264	236	298	514	1690	2920	617	470	354
29....	286	334	306	269	236	293	610	1530	2680	569	417	288
30....	306	322	308	266	....	288	546	1560	2560	852	635	226
31....	293	....	311	266	....	288	....	1790	....	924	641	....
Total	10354	9281	10063	8915	7776	8830	14077	32627	78190	42162	26302	11428
Mean.	334	309	325	288	268	285	469	1052	2606	1360	848	381
Max..	648	341	357	314	298	338	610	2180	3640	4200	1100	623
Min..	286	288	300	264	231	238	293	498	1070	569	417	207
Ac.-ft.	20540	18410	19960	17680	15420	17510	27920	64710	155100	83630	52170	22670

Total run-off for period=515,700 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Arkansas River Near Pueblo, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	256	350	494	403	468	309	552	1140	2140	2970	1640	1050
2....	280	351	463	397	429	331	424	1350	1900	2830	1400	1010
3....	324	368	474	417	453	338	399	1380	2290	2440	1260	1000
4....	336	356	473	383	447	396	431	1440	2180	2120	1210	844
5....	329	341	477	369	356	337	585	1410	1840	1980	1140	535
6....	330	341	457	430	389	491	619	1260	1430	1800	1560	484
7....	334	324	479	393	359	410	715	1140	1240	1540	1140	470
8....	319	335	478	368	366	392	1200	991	1110	1450	1160	411
9....	319	328	496	413	405	356	1070	1030	1330	1430	1190	409
10....	324	322	418	376	416	419	1020	765	1940	1390	994	429
11....	295	307	444	408	372	400	1020	738	2280	1370	568	411
12....	295	292	471	408	380	349	770	631	2680	1210	617	417
13....	316	285	455	405	386	333	491	639	2330	1040	583	541
14....	420	303	441	383	369	310	404	574	1770	974	625	552
15....	517	303	441	421	361	336	335	566	1500	881	1110	558
16....	470	342	419	483	399	325	336	556	1370	771	1110	521
17....	568	320	414	495	384	290	331	581	1510	954	1920	363
18....	584	307	460	340	423	292	500	614	1590	1120	2080	295
19....	484	290	461	273	348	296	661	583	1770	1120	1100	275
20....	407	290	434	344	315	286	671	557	1920	1040	1100	271
21....	373	343	413	464	331	281	700	534	1950	1010	1030	258
22....	356	376	387	722	347	267	717	492	2080	1090	916	247
23....	366	406	365	599	355	272	832	527	2230	1350	691	273
24....	393	453	367	535	367	277	906	542	2250	1480	597	259
25....	385	463	387	497	355	261	978	565	2200	1810	831	258
26....	361	484	427	475	344	252	1160	616	2120	871	1030	252
27....	332	461	458	459	327	278	1110	932	2410	622	1070	203
28....	308	496	430	474	298	283	1110	1010	2420	654	895	366
29....	320	489	386	468	....	433	1140	1250	2640	621	1060	540
30....	328	487	388	456	....	618	949	2180	2700	1180	1120	586
31....	346	....	403	463	....	597	....	2490	....	1010	1150	....
Total	11375	10913	13560	13521	10549	10815	22136	29083	59120	41878	33897	14088
Mean.	367	364	437	436	377	349	738	938	1971	1351	1093	470
Max.	584	496	496	722	468	618	1200	2490	2700	2970	2080	1050
Min.	256	285	365	273	298	252	331	492	1110	621	568	203
Ac.-ft.	22560	21650	26900	26820	20920	21450	43910	57690	117300	83060	67230	27940

Total run-off for period=537,400 acre-feet.

Discharge of Arkansas River Near Pueblo, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	660	256	327	327	282	157	217	564	2050	2160	897	598
2....	543	251	284	324	281	194	227	567	2040	2160	918	552
3....	441	273	285	339	244	209	163	568	1820	2130	907	572
4....	423	299	306	322	218	234	187	473	1730	2210	1140	565
5....	380	303	293	304	218	205	213	390	1400	3040	1080	561
6....	381	312	285	240	195	193	252	331	1020	2220	866	584
7....	357	330	298	230	189	183	299	423	1100	1910	766	621
8....	288	324	304	230	234	175	313	679	1750	1680	690	645
9....	279	311	303	245	267	180	316	671	1810	1520	682	629
10....	286	319	298	275	263	197	639	671	2000	1290	829	668
11....	287	366	310	282	274	210	471	693	2450	1690	792	515
12....	287	371	330	288	264	213	498	669	2780	1240	774	318
13....	293	359	355	280	255	209	540	711	3020	1100	847	286
14....	289	341	385	280	279	272	663	810	2680	889	829	241
15....	267	343	380	295	267	292	547	976	2590	753	1010	189
16....	271	327	374	305	291	281	559	1060	2380	745	994	133
17....	257	309	372	290	274	251	608	1150	2390	805	1030	116
18....	224	302	363	298	301	293	566	1110	2300	1020	962	116
19....	203	290	354	308	239	323	574	887	2290	1430	761	109
20....	270	293	347	296	250	281	603	767	2460	899	995	84
21....	257	298	437	262	264	313	588	757	2720	900	1030	63
22....	266	296	380	266	260	354	588	708	2840	1220	933	58
23....	253	287	401	270	249	326	525	700	2800	824	901	40
24....	265	299	342	235	238	294	536	793	2540	737	920	238
25....	259	321	341	233	224	275	570	1240	2520	728	775	316
26....	246	366	356	241	200	304	501	1780	2740	719	557	323
27....	248	349	401	250	172	281	489	2120	2830	686	535	338
28....	231	343	342	250	164	241	500	1960	2640	600	475	321
29....	234	431	377	260	161	237	660	1750	2340	584	408	219
30....	249	382	319	314	....	211	592	1820	2210	706	559	136
31....	251	....	325	293	....	199	....	1840	....	838	661	....
Total	9445	9651	10574	8632	7017	7587	14004	29638	68240	39433	25523	10154
Mean.	305	322	341	278	242	245	467	956	2275	1272	823	338
Max.	660	431	437	339	301	354	663	2120	3020	3040	1140	668
Min.	203	251	284	230	161	157	163	331	1020	584	408	40
Ac.-ft.	18730	19140	20970	17120	13920	15050	27780	58790	135400	78210	50620	20140

Total run-off for period=475,900 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Arkansas River Near Avondale, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	429	590	656	634	562	458	634	1290	2530	3310	1970	1120
2....	429	605	641	621	568	448	533	1520	2110	3290	1720	1070
3....	479	640	656	614	562	434	474	1560	2090	2910	1550	1090
4....	474	635	656	568	533	468	458	1620	1970	2410	1430	1090
5....	494	620	684	551	484	522	648	1520	1590	1990	1360	706
6....	494	590	692	556	479	527	714	1430	1320	1910	1820	537
7....	479	590	627	568	533	533	767	1340	1530	1780	1340	507
8....	468	550	614	556	551	601	1260	1250	1200	1940	1260	484
9....	453	*532	627	588	556	608	1190	1370	1140	1760	1310	479
10....	448	550	648	627	527	627	1140	1160	1700	1530	1340	473
11....	410	540	663	692	494	614	1180	1070	1970	1510	775	462
12....	406	530	684	677	522	545	986	893	2330	1340	730	448
13....	434	510	677	670	568	500	684	856	2200	1170	682	507
14....	505	490	656	670	556	463	516	823	1580	1070	622	568
15....	663	520	634	670	556	458	463	774	1290	969	1140	574
16....	744	520	634	692	545	434	474	729	1210	831	1280	574
17....	864	590	670	568	545	415	474	759	1290	875	1990	501
18....	1100	560	684	494	551	385	539	807	1370	853	2700	409
19....	864	*560	684	320	533	389	807	864	1530	1070	1360	382
20....	736	581	641	400	484	393	848	839	1890	1100	1220	373
21....	677	568	621	500	474	381	856	752	2010	1050	1160	386
22....	648	608	627	884	463	389	874	807	2210	1100	1020	405
23....	641	656	621	815	474	429	923	774	2320	1360	831	386
24....	663	714	614	706	484	410	1020	767	2500	1480	690	382
25....	648	744	634	634	484	415	1090	782	2680	1930	706	377
26....	641	706	670	581	474	410	1320	798	2550	1100	956	368
27....	621	670	670	562	474	439	1370	1020	2750	722	1120	347
28....	601	677	627	594	453	439	1290	1200	2600	666	1050	377
29....	530	634	648	634	....	510	1340	1410	2870	650	1050	608
30....	550	677	670	614	....	714	1190	2210	3100	908	1140	674
31....	560	....	677	601	....	692	....	2820	....	1850	1170	....
Total	18153	17957	20207	18861	14489	15050	26062	35814	59430	46434	38492	16664
Mean.	586	599	652	608	517	485	869	1155	1981	1498	1242	555
Max..	1100	744	692	884	568	714	1370	2820	3100	3310	2700	1120
Min..	406	490	614	320	453	381	458	729	1140	650	622	347
Ac.-ft.	36010	35620	40080	37410	28740	29850	51690	71040	117900	92100	76350	33050

Total run-off for period=649,800 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Arkansas River Near Avondale, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	739	330	459	412	454	330	330	1150	2930	2270	926	624
2....	700	375	417	407	470	334	362	1140	2880	2430	1010	550
3....	562	375	389	454	464	350	310	1180	2400	2380	978	498
4....	520	354	417	475	417	394	306	1150	1860	2200	947	520
5....	481	375	433	428	407	403	314	999	1660	2750	2030	906
6....	443	380	422	412	366	380	358	897	1390	2490	1390	624
7....	428	384	443	407	366	375	389	999	1460	2240	999	632
8....	389	394	464	403	384	362	428	1390	2010	1980	802	624
9....	366	384	422	412	448	362	407	1650	2120	1960	775	639
10....	366	384	459	443	398	366	722	1710	2440	1830	830	610
11....	358	407	498	481	384	375	793	1680	2770	1920	897	624
12....	358	412	526	492	389	384	739	1710	3110	1960	868	375
13....	362	412	556	481	398	366	811	1800	3450	1720	897	318
14....	366	398	574	481	394	375	1120	2010	3170	1350	958	294
15....	362	394	562	503	407	398	999	2250	3010	1090	1020	275
16....	346	394	544	550	398	394	868	2360	2760	1130	1090	250
17....	338	384	509	509	433	403	926	2380	2460	1120	1090	268
18....	314	371	520	538	464	428	916	1940	2350	1080	1060	216
19....	298	371	526	514	407	464	897	1660	2360	2960	897	223
20....	318	371	509	509	389	428	968	1490	2510	1460	887	219
21....	326	380	568	503	394	454	947	1360	2700	1240	1120	197
22....	310	412	532	475	394	464	1020	1320	2840	1390	1130	173
23....	314	412	514	454	389	514	958	1210	2910	1200	1040	162
24....	310	428	464	464	384	492	1080	1250	2810	1080	1020	254
25....	306	448	448	428	394	422	1140	1700	2700	1060	916	362
26....	306	464	443	438	403	459	1070	2330	2700	968	736	403
27....	306	422	492	407	354	438	978	2840	2880	937	839	412
28....	302	428	438	403	346	371	989	2620	2560	793	647	417
29....	306	481	459	407	334	358	1120	2860	2560	684	526	375
30....	314	486	417	433	....	346	1210	3010	2320	677	509	310
31....	322	....	403	443	....	330	....	2860	....	897	684	....
Total	11836	12010	14827	14166	11629	12329	23475	54905	76190	49246	29518	12354
Mean.	382	400	478	457	401	398	782	1771	2540	1589	952	412
Max..	739	486	574	550	470	514	1210	3010	3450	2960	2030	906
Min..	298	330	389	403	334	330	306	897	1390	677	509	162
Ac.-ft.	23480	23820	29410	28100	23070	24450	46550	108900	151100	97680	58550	24500

Total run-off for period=639,600 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Arkansas River Near Nepesta, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	249	304	584	838	515	389	357	735	1590	1950	1140	585
2....	237	294	596	821	515	370	310	780	1470	1980	866	653
3....	264	353	655	692	526	351	304	780	1720	1560	850	679
4....	289	410	804	607	538	316	479	750	1720	1470	666	679
5....	299	561	772	584	442	351	431	989	1470	1610	679	470
6....	342	630	854	526	488	389	469	840	1260	1010	818	416
7....	374	584	705	572	538	412	576	1140	1200	834	563	367
8....	403	526	584	526	572	293	887	1300	866	718	423	374
9....	417	630	692	630	618	282	750	1110	987	834	480	367
10....	479	538	607	607	550	230	576	938	1820	666	744	360
11....	506	561	772	630	479	316	431	1260	1840	692	744	354
12....	451	630	668	718	450	304	483	1120	2020	731	705	354
13....	424	642	607	904	376	370	527	870	2020	470	705	330
14....	424	460	642	804	310	389	546	765	1820	574	430	312
15....	607	538	584	755	222	357	469	645	1430	898	450	300
16....	497	680	630	804	230	269	288	460	1220	718	430	291
17....	515	718	561	550	247	175	269	421	1180	666	1100	241
18....	920	668	755	480	168	195	304	490	1340	757	1500	291
19....	381	618	742	380	278	316	332	629	1470	744	1120	110
20....	310	470	607	500	351	370	332	770	1660	395	1120	179
21....	353	403	515	900	364	364	383	640	1540	402	1140	216
22....	403	442	572	1100	383	321	389	629	1680	480	968	241
23....	367	417	680	1000	695	256	421	757	1720	653	834	295
24....	310	460	788	900	645	260	488	692	1930	949	618	291
25....	299	451	705	854	682	269	620	731	1520	1390	520	272
26....	294	374	904	838	682	316	750	744	1020	718	563	272
27....	310	353	755	572	595	421	645	850	1680	705	629	277
28....	310	337	433	497	479	383	488	1080	1430	552	500	286
29....	337	321	470	479	....	389	556	1240	1430	574	388	263
30....	410	668	718	479	....	450	645	1930	1590	629	423	272
31....	381	....	821	490	479	....	....	2320	....	1180	490	....
Total	12162	15041	20782	21037	12938	10352	14505	28405	45643	27509	22606	10397
Mean.	392	501	670	679	462	334	484	916	1521	887	729	347
Max...	920	718	904	1100	695	479	887	2320	2020	1980	1500	679
Min...	237	294	433	380	168	175	269	421	866	395	388	110
Ac.-ft.	24120	29830	41220	41730	25660	20530	28770	56340	90530	54560	44840	20620

Total run-off for period=478,800 acre-feet.

Discharge of Arkansas River Near Nepesta, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	409	212	450	304	201	263	254	968	2890	2070	460	127
2....	388	272	459	198	225	246	263	1080	2950	1930	421	344
3....	395	312	378	237	139	250	179	1300	3310	2140	282	242
4....	402	312	349	282	110	259	229	1320	2890	2120	273	141
5....	374	295	230	291	137	259	241	1020	2100	2420	1310	389
6....	342	300	165	300	128	241	259	731	1590	2070	322	273
7....	342	300	162	300	97	250	259	618	1660	1880	138	332
8....	330	318	145	277	110	220	259	1280	2240	1740	260	198
9....	246	300	169	166	190	233	300	1790	2560	1920	210	194
10....	237	342	210	277	186	220	770	1610	2830	1660	206	194
11....	229	367	280	300	220	197	1040	1630	3130	2700	206	254
12....	225	409	290	*380	194	268	770	1450	3400	3950	278	402
13....	225	373	290	370	205	246	898	1340	3400	2750	264	324
14....	246	378	280	370	175	272	1360	1610	2950	2100	188	263
15....	263	333	270	380	205	272	1160	2120	2560	1260	150	259
16....	246	305	270	390	145	259	949	2100	2220	1160	156	225
17....	229	321	260	233	194	241	1200	2070	1750	1080	147	212
18....	182	333	*160	205	208	312	1240	1770	1750	1080	188	172
19....	148	316	269	263	241	282	1080	850	1590	3640	168	157
20....	175	299	260	220	172	330	1080	440	1790	1760	226	142
21....	201	254	251	197	160	336	987	430	2000	1260	527	111
22....	194	249	389	148	117	250	1220	705	2320	1620	566	107
23....	336	265	344	194	107	318	786	679	2340	1360	421	74
24....	295	271	310	241	254	607	1010	692	2070	920	421	80
25....	312	299	273	225	295	480	1160	1180	1930	572	364	112
26....	342	362	450	229	254	480	987	2050	2020	515	498	94
27....	330	370	498	160	142	381	866	2920	2070	470	1180	123
28....	277	362	421	175	220	330	914	3010	1950	367	670	120
29....	145	408	321	190	254	291	987	2500	1720	360	421	117
30....	163	479	344	160	....	291	1020	2770	2270	360	332	94
31....	194	....	338	175	....	259	....	2740	....	381	234	....
Total	8422	9716	9285	7837	5285	9143	23727	46773	70255	49615	11487	5876
Mean.	272	324	300	253	182	295	791	1509	2342	1600	371	196
Max...	409	479	498	390	295	607	1360	3010	3400	3640	1310	402
Min...	145	212	145	148	97	197	179	430	1590	360	138	74
Ac.-ft.	16700	19270	18420	15540	10480	18130	47060	92770	139300	98410	22780	11650

Total run-off for period=510,500 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Arkansas River at La Junta, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	195	75	287	619	308	220	21	75	726	520	305	246
2....	231	59	100	566	251	347	16	75	390	669	407	246
3....	216	32	29	559	170	290	24	82	520	625	416	279
4....	185	29	30	566	82	328	22	82	652	480	358	350
5....	166	46	95	515	68	340	18	75	726	510	253	520
6....	169	69	91	466	27	435	11	72	694	461	196	234
7....	148	310	258	445	4.0	642	32	178	583	500	372	190
8....	145	305	231	433	4.5	662	162	182	565	461	452	121
9....	137	105	151	466	13	538	273	225	520	260	246	93
10....	135	59	127	473	26	302	278	182	494	470	246	84
11....	132	57	114	466	27	308	328	278	574	443	328	70
12....	124	46	124	480	9	295	178	620	503	389	328	117
13....	124	48	209	439	15	321	75	601	715	416	185	113
14....	117	51	262	349	40	360	62	601	625	407	129	81
15....	119	67	242	324	162	314	68	368	570	246	149	68
16....	132	69	228	354	262	340	50	92	500	253	550	55
17....	160	67	239	330	273	302	52	68	470	292	380	45
18....	1070	67	231	295	200	246	42	46	434	312	266	45
19....	266	91	224	180	130	246	48	40	461	224	212	70
20....	124	119	209	240	110	347	48	48	752	229	141	96
21....	102	324	185	400	138	435	48	40	716	196	335	109
22....	30	86	102	1320	100	435	52	60	740	109	389	102
23....	82	63	127	1200	89	469	62	46	776	78	425	52
24....	109	61	364	876	302	82	82	48	800	133	434	58
25....	77	71	480	768	82	174	92	52	800	389	312	52
26....	55	53	324	733	170	28	89	58	812	461	298	50
27....	39	49	581	683	130	15	82	68	647	372	272	48
28....	29	48	501	588	200	20	78	182	550	218	181	32
29....	34	77	445	598	....	36	62	592	425	141	253	25
30....	34	271	508	487	....	30	65	631	389	109	260	22
31....	42	....	604	435	....	27	....	917	....	109	246	....
Total	4728	2874	7702	16563	31425	9154	2520	6684	18129	10482	9324	3673
Mean.	153	95.8	248	534	112	295	84.0	216	604	338	301	122
Max.	1070	324	604	1320	308	662	328	917	812	669	550	520
Min.	29	29	29	180	4	15	11	40	389	78	129	22
Acre-ft.	9380	5700	15280	32850	6230	18160	5000	13260	35960	20790	18490	7290

Total run-off for period=188,400 acre-feet.

Discharge of Arkansas River at La Junta, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	62	85	220	16	11	15	30	54	2700	95	34	14
2....	113	105	235	9.4	9.8	14	49	69	2520	52	50	7.2
3....	145	135	306	7.4	13	10	212	120	2520	66	28	28
4....	169	187	220	9.0	13	8.2	242	61	2450	465	34	23
5....	199	145	110	13	15	9.4	100	54	2110	242	100	6.0
6....	228	130	52	20	36	18	47	47	1500	538	434	46
7....	205	135	52	19	29	19	45	49	1100	125	305	95
8....	181	135	52	17	20	12	42	76	639	125	305	44
9....	151	163	25	19	29	11	52	140	926	125	62	10
10....	120	169	25	16	23	11	212	79	986	120	44	21
11....	85	140	38	14	30	13	130	89	507	1070	23	40
12....	110	157	193	11	18	12	58	92	205	783	32	23
13....	105	169	212	16	15	8.2	54	66	811	1130	46	40
14....	115	135	100	16	16	9.4	38	69	1620	445	17	36
15....	89	140	42	21	14	15	20	89	1340	797	25	25
16....	115	115	7.8	25	14	12	21	365	1020	898	36	8.4
17....	115	125	9.0	23	27	6.8	89	331	496	604	50	11
18....	100	135	13	30	30	2	49	193	518	228	52	26
19....	125	95	11	29	23	20	63	175	199	1500	48	42
20....	135	105	16	32	21	15	69	455	92	1710	52	25
21....	272	120	36	21	21	11	76	425	486	415	52	21
22....	193	120	23	21	16	7	242	130	811	365	28	28
23....	140	110	29	20	16	16	395	89	650	662	68	30
24....	145	89	47	20	14	30	507	56	375	662	58	38
25....	187	100	21	27	9.0	30	258	187	258	528	26	32
26....	175	125	19	40	32	23	85	582	235	415	16	28
27....	175	193	52	34	32	23	66	1130	140	375	68	14
28....	125	199	79	29	21	54	73	5040	157	138	92	14
29....	100	205	85	23	17	38	47	3070	140	68	72	14
30....	82	228	42	18	....	34	58	3440	228	52	62	23
31....	66	....	19	18	....	42	....	3240	....	48	38	....
Total	4327	4194	2390.8	633.8	584.8	559.0	3429	20062	27739	14856	2357	812.6
Mean.	140	140	77.1	20.4	20.2	18.0	114	647	925	479	76.0	27.1
Max.	272	228	306	40	36	54	507	5040	2700	1710	434	95
Min.	62	85	7.8	7.4	9.0	6.8	20	47	92	48	16	6.0
Acre-ft.	8580	8320	4740	1260	1160	1110	6800	39790	55020	29470	4680	1610

Total run-off for period=162,500 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Arkansas River at Las Animas, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	167	60	300	852	439	190	55	21	604	254	60	172
2....	187	98	276	836	402	240	60	16	472	532	254	179
3....	204	85	116	765	324	230	58	25	363	406	356	186
4....	180	72	94	750	232	340	57	25	445	305	282	189
5....	154	67	96	721	183	387	50	29	531	335	250	226
6....	154	72	170	611	324	456	33	23	551	486	169	282
7....	154	211	173	584	123	597	28	74	505	460	131	134
8....	144	334	249	537	114	828	37	96	460	480	442	103
9....	141	272	204	551	100	686	160	144	412	290	207	72
10....	130	103	138	525	94	466	296	144	430	395	153	49
11....	121	81	125	537	92	478	239	80	406	430	141	37
12....	114	64	121	570	92	445	257	368	442	361	238	30
13....	123	64	146	551	89	461	160	604	448	330	199	74
14....	121	72	276	423	105	511	74	631	546	300	126	62
15....	138	69	276	363	116	478	53	461	506	310	103	41
16....	149	69	284	358	246	272	45	200	395	182	310	29
17....	257	69	260	330	288	284	37	98	400	226	356	22
18....	1280	69	296	300	314	232	33	67	335	238	780	20
19....	782	78	305	210	413	208	33	48	335	207	175	17
20....	243	119	296	300	173	324	36	39	506	147	126	16
21....	190	264	288	520	141	382	33	44	546	139	185	16
22....	146	229	208	950	144	429	31	39	567	115	310	46
23....	100	107	167	1500	144	402	23	39	581	66	315	46
24....	152	100	461	1290	128	324	29	40	581	52	395	26
25....	149	107	658	1060	121	300	23	34	643	98	286	22
26....	103	105	618	1030	149	211	27	36	643	254	203	18
27....	72	87	518	877	167	81	19	27	532	395	218	17
28....	58	80	590	728	154	65	16	31	424	189	131	20
29....	50	78	604	577	....	65	14	92	277	115	95	18
30....	47	154	672	544	....	57	14	418	290	82	156	17
31....	47	....	773	505	....	55	....	531	....	62	196	....
Total	6057	3439	9758	20260	5411	10484	2030	4524	14176	8241	7348	2186
Mean.	195	115	315	654	193	338	67.7	146	473	266	237	72.9
Max.	1280	334	773	1500	439	828	296	631	643	532	780	282
Min.	47	60	94	210	89	55	14	16	277	52	60	16
Ac.-ft.	12010	6820	19350	40190	10730	20790	4030	8970	28120	16350	14570	4240

Total run-off for period=186,300 acre-feet.

Discharge of Arkansas River at Las Animas, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	19	51	138	68	72	59	49	128	2680	252	48	27
2....	21	53	142	68	66	55	49	118	2560	88	38	27
3....	48	68	232	66	64	55	75	165	2680	77	38	27
4....	84	93	232	61	66	55	153	153	2770	492	34	28
5....	104	118	153	49	72	51	159	109	2350	292	32	27
6....	145	97	97	49	72	46	90	95	1850	512	323	23
7....	159	95	81	46	81	46	51	86	1450	242	357	21
8....	156	97	77	86	84	48	51	100	797	88	220	23
9....	153	102	77	48	75	46	59	140	716	88	79	23
10....	138	111	55	64	66	48	186	174	832	70	53	23
11....	109	116	40	61	77	44	315	123	684	1220	34	28
12....	75	104	53	55	66	44	195	123	259	840	30	25
13....	66	120	104	42	114	46	148	118	303	1760	25	25
14....	64	148	140	42	75	44	130	107	1270	659	21	27
15....	64	142	109	64	55	46	145	97	1090	653	34	27
16....	57	116	72	81	55	51	165	111	900	840	79	25
17....	66	104	66	81	55	51	125	229	634	885	48	23
18....	75	107	66	95	53	64	135	216	362	665	30	23
19....	72	102	70	95	59	64	116	111	362	1120	30	25
20....	75	88	81	95	57	75	132	210	168	2120	28	23
21....	150	86	79	88	55	81	132	344	154	878	28	25
22....	183	81	79	77	55	75	192	239	916	634	32	25
23....	128	84	72	79	53	75	504	93	703	640	36	23
24....	114	81	75	79	53	70	476	49	598	900	32	19
25....	104	70	79	77	51	75	303	64	198	892	27	21
26....	90	77	68	90	48	61	236	344	198	690	32	19
27....	86	88	57	90	57	53	171	605	138	444	28	21
28....	86	132	66	86	66	49	153	6800	81	259	34	19
29....	75	132	100	90	59	49	186	4040	111	107	30	25
30....	66	132	111	81	....	48	183	3420	102	88	25	23
31....	59	....	88	72	....	46	....	3270	....	61	28	....
Total	2891	2995	2959	2225	1881	1720	5064	21981	27916	18556	1913	720
Mean.	93.3	99.8	95.5	71.8	64.9	55.5	169	709	931	559	61.7	24.0
Max.	183	148	232	95	114	81	504	6800	2770	2120	357	28
Min.	19	51	40	42	48	44	49	49	81	51	21	19
Acre-ft.	5730	5940	5870	4410	3730	3410	10040	43600	55370	36810	3790	1430

Total run-off for period=180,100 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Arkansas River at Caddoa, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	259	419	320	1330	1.4	3.6	318	514	310	460	80	334
2....	242	431	315	970	1.4	1.9	322	514	502	440	82	400
3....	272	425	315	700	1.4	1.3	214	508	497	445	160	435
4....	263	431	336	1170	2.2	2.4	88	508	502	435	290	286
5....	246	286	347	1390	6.8	1.9	78	502	542	430	265	144
6....	238	211	363	827	6.8	0.7	82	497	596	497	234	129
7....	246	211	363	584	5.2	0.7	86	497	578	530	227	132
8....	238	211	368	619	3.6	0.7	88	486	560	492	220	127
9....	233	296	374	641	3.6	0.7	120	486	560	288	286	117
10....	207	476	368	619	2.4	0.7	201	465	668	430	171	120
11....	203	476	363	598	2.4	192	185	492	784	430	177	102
12....	196	476	104	570	1.9	306	254	514	770	425	168	46
13....	189	457	13	563	2.4	362	632	475	764	415	160	36
14....	186	444	13	322	0.7	339	704	395	752	395	155	102
15....	238	451	15	4.7	3.0	390	746	400	746	385	152	283
16....	310	451	92	4.7	2.4	560	764	400	734	348	174	314
17....	598	444	496	4.7	2.4	560	710	405	722	268	247	124
18....	2390	431	509	4.7	3.0	560	632	410	710	247	486	44
19....	5130	419	930	4.7	2.4	560	620	415	692	244	554	35
20....	2330	402	1180	4.4	2.4	554	620	420	740	207	530	33
21....	15	391	683	4.4	4.4	566	614	420	952	166	465	42
22....	7.4	368	120	3.3	2.4	572	590	344	872	137	425	35
23....	6.5	196	104	2.7	3.0	578	566	230	848	98	410	54
24....	159	374	107	2.3	2.4	584	566	163	880	98	410	47
25....	1240	374	109	2.2	3.0	514	566	171	896	94	410	32
26....	1180	374	120	1.6	3.6	344	560	188	936	129	334	26
27....	117	347	125	1.5	3.0	334	548	207	848	286	251	21
28....	379	336	326	1.5	2.4	322	508	204	848	322	265	22
29....	402	331	738	1.5	....	310	530	198	831	244	352	19
30....	414	....	1060	1.5	....	302	524	191	475	144	318	23
31....	....	....	1490	1.5	....	310	....	188	....	96	294	....
Tot.	18724.9	11302	12166	10954.9	82.0	9133.6	13036	11807	21115	9625	8752	3664
Mean.	604	377	392	353	293	295	435	381	704	310	282	122
Max.	5130	476	1490	1390	6.8	584	764	514	952	530	554	435
Min.	6.5	196	13	1.5	0.7	0.7	78	163	310	94	80	19
Ac.-ft.	37140	22420	24130	21730	163	18120	25860	23420	41880	19090	17360	7270

Total run-off or period=258,600 acre-feet.

Discharge of Arkansas River at Caddoa, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	34	121	193	2.8	2.5	2.8	3.1	4.0	4550	768	345	1610
2....	40	103	208	3.1	2.8	3.1	3.1	4.0	4460	728	190	1520
3....	42	110	223	2.8	2.5	3.4	3.4	4.0	4420	683	95	1420
4....	44	128	284	2.8	1.9	3.4	4.0	3.7	4400	664	97	1390
5....	80	152	274	3.1	1.9	3.4	3.4	3.4	3080	588	112	1240
6....	106	165	295	2.8	1.9	3.4	2.8	3.4	2260	566	119	1090
7....	140	150	288	2.8	1.9	3.4	3.1	4.0	1800	593	295	1060
8....	162	137	165	2.5	2.2	3.1	2.8	5.2	1780	535	505	892
9....	184	132	72	2.5	2.5	3.4	4.6	4.0	626	566	361	814
10....	165	147	15	2.5	2.5	3.1	6.4	4.6	1410	582	173	768
11....	150	184	31	3.1	2.2	4.0	2.8	4.0	1400	566	184	761
12....	112	184	37	3.4	3.4	4.0	2.8	4.6	1080	571	199	794
13....	87	176	37	2.5	8.2	3.1	2.5	5.8	1420	520	491	735
14....	82	190	35	2.8	8.8	3.7	2.5	5.8	1280	470	1370	654
15....	85	184	26	2.8	9.4	3.7	2.8	5.8	2240	470	1500	604
16....	84	184	27	2.8	3.4	3.4	3.7	114	1210	480	1780	620
17....	85	165	26	2.5	2.8	3.4	3.7	249	780	475	2010	571
18....	89	170	27	2.5	3.1	4.6	3.1	239	709	475	1670	505
19....	93	160	27	2.8	2.8	3.4	3.4	242	440	555	1880	555
20....	95	150	28	3.4	2.5	3.7	3.7	246	318	1590	1790	525
21....	114	140	29	3.7	2.2	3.7	4.0	246	325	2470	1710	545
22....	190	130	27	2.8	2.2	2.8	7.0	233	392	2560	1630	555
23....	190	123	26	2.8	2.5	3.1	5.8	226	550	2180	1780	545
24....	154	126	24	2.8	2.5	2.8	5.8	226	604	525	1910	535
25....	144	116	23	3.1	1.9	1.9	4.0	233	582	505	1880	530
26....	132	116	22	3.4	2.5	2.5	4.0	103	582	759	1840	520
27....	112	130	22	2.8	2.2	3.4	4.0	30	576	993	1760	505
28....	108	140	22	2.5	2.5	3.1	3.7	556	780	961	1770	445
29....	116	170	21	2.2	2.5	2.5	4.6	4420	780	823	1640	349
30....	116	173	18	2.2	....	2.2	3.1	4550	774	490	1660	56
31....	130	....	12	2.2	....	2.8	....	4600	....	480	1620	....
Total	3465	4461	2564	86.8	90.2	100.3	113.7	16584.3	45649	25191	34366	22713
Mean.	112	149	82.7	2.80	3.11	3.24	3.79	535	1522	813	1109	757
Max.	190	190	295	3.7	9.4	4.6	7.0	4600	4550	2560	2010	1610
Min.	34	108	12	2.2	1.9	1.9	2.5	3.4	318	470	95	56
Acre-ft.	6870	8850	5090	172	179	199	226	32890	90540	49970	68160	45050

Total run-off for period=308,200 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Arkansas River at Lamar, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	9.0	410	204	1300	48	30	31	90	3.0	35	22	7.2
2....	8.5	410	210	1290	48	24	25	87	5.0	14	31	9.6
3....	8.5	410	210	812	48	24	23	80	70	8.0	72	7.2
4....	9.0	410	189	870	46	26	20	73	93	14	40	7.2
5....	9.0	410	165	1380	45	37	17	75	110	10	28	6.0
6....	9.0	271	175	1160	43	36	16	78	110	18	34	7.2
7....	9.0	246	142	635	42	37	15	87	117	106	28	8.4
8....	8.5	240	199	562	42	37	16	83	130	113	34	6.0
9....	9.5	234	66	598	40	21	14	87	142	194	29	7.2
10....	9.5	340	130	654	43	12	10	78	175	40	48	8.4
11....	9.5	418	147	663	40	11	14	73	467	9.0	32	8.4
12....	9.5	435	87	663	39	78	20	75	451	40	25	8.4
13....	11	426	45	663	38	130	53	103	443	5.5	26	9.6
14....	10	379	35	654	36	175	134	160	435	10	26	7.2
15....	12	435	28	325	36	204	216	121	435	10	26	97
16....	24	443	25	180	35	363	284	70	394	9.5	23	218
17....	93	387	84	130	34	467	291	61	379	9.0	11	208
18....	803	278	216	87	34	484	222	48	348	9.0	8.4	36
19....	4700	246	418	75	34	510	175	40	355	9.0	32	12
20....	3620	234	898	75	32	492	165	43	387	8.5	55	6.0
21....	476	234	879	70	30	484	165	48	510	8.4	32	1.2
22....	240	222	264	73	28	467	165	53	476	7.2	8.4	2.4
23....	204	234	142	61	30	467	160	58	435	4.8	16	6.0
24....	189	246	121	54	31	363	147	50	394	4.8	7.2	6.0
25....	170	216	117	53	32	184	151	9.5	467	8.4	7.2	7.2
26....	1220	264	130	51	32	113	142	3.2	459	4.8	23	6.0
27....	1170	258	147	51	31	73	138	8.0	426	18	6	7.2
28....	598	252	93	51	30	63	121	9.0	387	47	26	6.0
29....	387	264	571	53	....	50	100	18	379	50	45	9.6
30....	418	222	917	51	....	42	96	7.0	93	50	44	13
31....	418	....	1280	50	....	37	....	4.4	....	23	44	....
Tot.	14871.5	9474	8334	13394	1045	5541	3146	1880.1	9075	897.9	889.2	749.6
Mean.	480	316	269	432	37.3	179	105	60.6	302	29.0	28.7	25.0
Max...	4700	443	1280	1380	48	510	291	160	510	194	72	218
Min...	8.5	216	25	50	28	11	10	3.2	3	4.8	6	1.2
Ac.-ft.	29500	18790	16530	26570	2070	10990	6240	3730	18000	1780	1760	1490

Total run-off for period=137,400 acre-feet.

Discharge of Arkansas River at Lamar, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	13	7.0	5.0	41	7.8	21	6.2	15	4480	104	235	887
2....	6.2	6.2	4.7	41	7.4	22	6.2	13	4280	91	133	878
3....	9.6	5.4	5.4	21	6.2	24	5.0	111	4260	75	38	764
4....	11	4.7	5.4	21	5.4	25	6.2	35	4310	109	17	744
5....	10	5.0	13	10	5.8	26	5.4	24	3760	109	11	735
6....	10	5.0	135	10	5.0	18	5.4	19	1970	27	11	574
7....	9.0	4.7	143	7.8	5.0	20	5.0	14	1130	63	11	497
8....	9.6	4.4	51	26	5.8	20	5.0	13	1240	75	13	386
9....	9.6	4.7	35	26	5.8	23	6.0	12	595	75	30	272
10....	8.6	4.7	9.0	12	5.6	21	7.0	9.0	1130	87	13	223
11....	7.4	5.4	9.0	10	41	12	7.8	10	1300	114	9.0	217
12....	7.0	5.4	5.4	10	28	11	6.6	6.6	735	270	7.0	247
13....	7.4	5.0	5.4	8.6	28	11	7.4	7.8	1070	207	9.0	217
14....	7.8	5.4	5.4	9.0	28	9.6	7.4	9.6	605	142	221	183
15....	6.2	5.4	5.0	7.4	28	8.6	5.8	11	1490	123	458	132
16....	6.2	5.8	5.0	10	28	7.0	7.0	11	1090	183	624	132
17....	5.4	5.8	5.0	17	31	5.4	7.0	9.0	525	183	1140	150
18....	6.2	5.8	4.7	16	64	7.8	6.2	9.0	322	171	868	141
19....	6.2	5.8	4.7	17	21	7.4	7.0	13	249	249	792	118
20....	5.8	5.0	4.7	23	30	9.0	7.0	13	49	404	906	123
21....	6.6	5.0	4.7	19	29	9.0	7.0	14	19	2070	896	136
22....	7.4	4.7	4.4	17	22	9.0	7.0	15	17	2220	820	136
23....	7.8	4.7	5.0	19	19	7.8	8.6	14	13	2240	802	128
24....	7.8	4.4	5.4	17	19	8.2	8.6	14	21	1040	887	123
25....	8.2	5.0	5.4	10	16	8.2	7.4	14	21	345	858	118
26....	7.4	5.4	5.4	10	11	7.8	8.2	412	21	354	858	114
27....	7.4	5.0	5.4	9.6	12	7.4	8.2	101	11	685	830	105
28....	8.2	5.0	5.0	9.6	15	7.4	8.6	207	35	735	764	94
29....	8.2	5.0	23	9.0	20	5.0	60	2490	95	725	764	91
30....	9.0	5.0	51	9.0	....	5.4	74	4060	87	449	735	67
31....	7.4	....	41	9.0	....	6.2	....	4510	....	278	830	....
Total	247.6	155.8	616.5	482.0	600.2	390.2	324.2	12216.0	34930	14002	14590.0	8732
Mean.	7.99	5.19	19.9	15.5	20.7	12.6	10.8	394	1164	452	471	291
Max...	13	7.0	143	41	64	26	74	4510	4480	2240	1140	887
Min...	5.4	4.4	4.4	7.4	5.0	5.0	5.0	6.6	11	27	7.0	67
Acre-ft.	491	309	1220	956	1190	774	643	24230	69280	27770	28940	17320

Total run-off for period=173,100 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Arkansas River at Holly, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	108	710	317	1310	101	98	101	140	68	136	4.4	6.4
2....	85	625	317	1210	107	82	101	140	63	98	5.2	4.4
3....	85	727	291	990	95	87	98	126	65	68	5.5	4.8
4....	85	616	304	752	93	129	87	132	90	61	6.4	4.8
5....	85	642	310	1110	95	73	73	136	112	58	7.4	8.4
6....	85	642	260	1260	87	61	68	122	118	49	7.4	8.4
7....	85	418	291	894	93	63	95	146	132	42	6.4	8.4
8....	75	395	267	676	101	98	122	176	122	59	8.4	8.4
9....	75	402	260	718	104	132	122	184	184	232	14	4.1
10....	79	366	204	804	63	107	122	176	291	254	15	3.0
11....	79	514	291	804	115	104	122	154	285	126	15	3.0
12....	79	582	298	876	118	93	107	129	472	126	9.3	3.0
13....	93	600	215	849	129	140	104	140	464	98	7.4	7.4
14....	183	574	143	867	129	260	126	150	472	82	7.4	7.4
15....	161	591	132	867	129	310	193	210	464	68	8.4	4.4
16....	238	591	136	523	136	324	285	184	448	56	8.4	4.4
17....	540	574	132	250	129	440	298	150	489	44	13	63
18....	950	548	215	140	118	472	324	132	523	39	8.4	99
19....	2560	608	380	150	109	448	260	129	472	32	8.4	57
20....	5430	574	616	170	101	498	198	126	464	20	6.4	27
21....	2560	373	876	204	104	532	210	118	464	13	13	20
22....	818	310	744	279	107	523	204	163	523	9.3	7.4	14
23....	490	304	298	254	85	506	198	159	480	7.4	7.4	14
24....	440	324	232	180	73	548	198	150	395	7.4	6.4	14
25....	420	324	215	146	77	498	189	87	366	7.4	6.4	14
26....	1920	273	220	132	70	388	176	115	425	9.3	6.4	14
27....	2410	324	126	126	77	317	176	104	418	10	5.5	15
28....	2400	310	112	129	98	226	163	101	380	11	6.4	15
29....	1980	291	143	126	....	180	143	93	338	7.4	8.4	15
30....	600	310	380	115	....	132	132	90	310	7.4	9.3	15
31....	659	....	1050	109	....	104	....	80	....	6.4	10	....
Total	25857	14442	9775	17020	2843	7973	4795	1242	9897	1844.0	258.8	486.7
Mean.	834	481	315	549	102	257	160	137	330	59.5	8.35	16.2
Max..	5430	727	1050	1310	136	548	324	210	523	254	15	99
Min..	75	273	112	109	63	61	68	80	63	6.4	4.4	3
Ac.-ft.	51290	28650	19390	33760	5640	15810	9510	8410	19630	3660	513	965

Total run-off for period=197,200 acre-feet.

Discharge of Arkansas River at Holly, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	6.0	28	25	60	74	102	115	790	4760	131	545	932
2....	7.5	34	56	60	86	92	115	1140	4850	131	402	961
3....	7.5	33	56	93	78	89	89	752	4960	126	270	942
4....	8.0	28	28	86	89	86	67	641	5030	123	182	904
5....	8.5	34	109	115	92	89	59	506	5010	136	144	914
6....	8.5	28	192	74	92	89	51	410	3220	141	166	822
7....	9.9	28	134	76	89	86	44	338	2580	109	128	634
8....	14	34	197	45	96	80	44	310	2080	106	94	600
9....	20	50	333	45	96	76	55	242	2130	116	73	440
10....	21	49	265	128	72	76	290	226	1180	111	69	324
11....	20	50	93	102	57	76	320	220	1240	179	59	298
12....	21	38	67	128	78	74	248	159	1380	447	49	304
13....	25	38	99	115	108	76	200	176	950	677	44	324
14....	25	38	52	50	123	70	185	193	1210	621	42	291
15....	22	38	282	99	67	72	134	172	860	434	98	242
16....	20	45	154	62	65	76	119	167	1370	428	336	193
17....	20	45	282	89	76	78	142	146	990	474	530	210
18....	25	43	83	78	76	92	155	136	605	467	990	226
19....	26	43	86	102	76	111	150	150	474	575	830	215
20....	24	43	83	109	76	146	146	112	382	1260	820	198
21....	25	43	81	86	76	165	146	115	217	1450	950	184
22....	23	43	78	109	92	142	165	115	157	2420	830	210
23....	41	45	78	86	72	138	242	118	128	2380	780	232
24....	34	54	65	86	78	123	320	95	109	2130	820	220
25....	33	54	122	86	80	111	398	85	106	1120	762	215
26....	26	54	74	86	80	108	320	204	102	762	770	198
27....	26	25	60	86	83	105	248	894	90	677	831	193
28....	38	27	112	86	102	108	371	1130	73	860	813	189
29....	28	25	69	86	108	115	894	2080	73	980	786	180
30....	29	25	60	43	....	123	980	3590	151	1070	770	172
31....	28	....	99	36	....	119	....	4270	....	719	770	....
Total	669.9	1162	3574	2592	2437	3093	6812	19682	46467	21360	14753	11967
Mean.	21.6	38.7	115	83.6	84.0	99.8	227	635	1549	689	476	399
Max..	41	54	333	128	123	165	980	4270	5030	2420	990	962
Min..	60	25	25	36	57	70	44	85	73	106	42	172
Acre-ft.	1330	2300	7090	5140	4830	6130	13510	39040	92170	42370	29260	23740

Total run-off for period=266,900 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Grape Creek Near Westcliffe, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	8.8	18	15	....	....	20	31	21	8.5	5.9	3.0	11
2....	7.6	16	24	....	....	20	31	18	5.0	2.8	2.5	9.0
3....	6.8	17	18	....	....	25	30	17	24	1.5	2.5	8.5
4....	6.0	16	18	....	....	33	29	12	17	11	3.0	9.0
5....	5.6	16	22	....	....	24	26	13	11	9.0	3.5	7.0
6....	4.8	16	18	....	....	27	27	10	8.0	8.5	5.0	6.5
7....	4.8	16	18	....	....	39	32	34	6.0	7.0	4.0	6.0
8....	4.0	16	18	....	....	27	68	25	3.5	11	5.0	5.5
9....	3.6	16	18	....	*19	69	38	34	3.0	11	9.6	5.0
10....	6.0	14	*18	....	....	81	29	34	2.5	7.0	6.0	5.0
11....	8.0	16	17	....	....	56	22	18	4.5	6.0	3.8	4.5
12....	8.0	16	17	....	....	44	19	14	6.5	4.5	3.8	4.5
13....	13	18	17	*13	....	37	18	12	9.6	3.8	3.5	4.5
14....	12	19	17	....	....	36	17	11	8.0	3.8	3.5	5.0
15....	22	19	17	....	....	33	16	8.5	6.0	4.0	7.5	5.5
16....	30	18	16	....	....	28	15	7.5	4.5	3.8	1.3	5.5
17....	49	15	16	....	....	40	14	6.5	3.2	3.0	27	5.5
18....	42	17	16	....	....	34	28	7.0	2.2	2.8	38	5.5
19....	29	16	16	....	....	32	28	9.0	2.0	2.5	18	6.5
20....	23	16	16	....	....	38	21	8.0	2.5	2.8	14	5.5
21....	21	22	16	....	....	37	18	8.0	2.5	8.0	13	5.0
22....	21	15	16	....	....	41	18	8.0	2.5	8.0	12	5.0
23....	18	20	16	....	....	41	18	9.0	2.5	3.2	7.5	5.5
24....	20	34	16	....	....	41	18	8.0	2.2	2.8	5.5	5.0
25....	18	27	16	....	....	40	17	6.0	2.5	8.5	6.0	5.0
26....	17	19	16	....	....	38	17	5.0	2.2	3.0	7.0	5.5
27....	19	27	16	....	....	39	16	5.5	2.2	2.0	12	5.5
28....	19	22	16	....	....	38	15	4.5	2.5	1.8	11	5.0
29....	20	18	16	....	....	51	15	4.5	3.0	2.0	11	5.0
30....	21	18	16	....	....	44	16	11	17	2.8	10	5.5
31....	18	....	16	....	....	33	....	11	....	3.2	13	....
Total	506	553	528	434	504	1186	707	400	176.6	248.8	284.2	177.0
Mean.	16.3	18.4	17.0	14	18	38.3	23.6	12.9	5.89	8.03	9.17	5.90
Max..	49	34	24	....	....	81	68	34	24	59	38	11
Min..	3.6	14	15	....	....	20	14	4.5	2	1.8	2.5	4.5
Acre-ft.	1000	1100	1050	861	1000	2350	1400	793	350	493	564	351

Total run-off for period=11,310 acre-feet.

*Discharge measurement made on this day.

Discharge of Grape Creek Near Westcliffe, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	6.5	9.0	12	16	19	32	54	32	220	100	15	7.0
2....	6.0	9.0	12	16	19	45	52	31	217	105	9.0	6.5
3....	5.5	9.0	13	18	19	43	72	38	241	107	6.0	6.0
4....	5.5	9.8	13	19	18	41	118	37	193	116	5.0	6.0
5....	5.5	11	14	14	29	39	110	30	114	152	5.0	6.5
6....	5.5	9.8	15	14	31	35	70	26	94	223	5.5	7.0
7....	5.0	11	14	11	29	33	41	25	159	139	6.5	7.0
8....	5.0	17	13	10	27	32	35	30	190	98	5.5	6.5
9....	5.5	15	15	11	28	35	39	34	188	88	5.5	6.0
10....	5.5	24	17	13	20	45	26	42	223	83	5.5	6.0
11....	6.0	18	21	12	15	61	46	45	238	75	6.0	6.0
12....	6.0	17	21	11	15	61	70	48	229	62	6.0	6.0
13....	6.0	15	20	12	15	62	440	62	202	47	6.0	6.0
14....	6.0	15	20	15	16	40	367	90	162	41	5.5	5.5
15....	6.0	15	20	14	16	27	123	105	142	34	5.5	4.5
16....	6.0	15	20	14	16	34	84	129	116	34	5.5	4.5
17....	6.5	15	20	14	17	42	71	125	97	27	5.5	4.5
18....	6.0	14	21	15	17	32	83	94	84	21	13	4.0
19....	6.5	11	22	15	19	25	89	68	80	68	6.0	4.0
20....	7.0	11	21	16	23	25	114	60	80	47	5.5	4.0
21....	8.5	11	22	17	27	27	72	59	94	92	6.5	4.5
22....	9.0	11	21	18	25	25	62	63	102	82	6.0	4.5
23....	8.0	12	19	19	24	28	70	67	74	57	7.0	4.5
24....	7.0	13	18	20	26	33	92	75	77	71	7.5	5.0
25....	7.5	12	18	19	26	32	56	89	104	70	8.0	5.0
26....	8.0	12	19	17	24	30	42	205	120	53	8.5	5.5
27....	8.0	12	18	14	24	28	38	314	110	46	8.0	5.5
28....	8.0	12	19	16	25	25	46	345	88	35	7.5	5.5
29....	8.5	12	19	17	26	29	45	211	84	29	8.0	5.5
30....	8.5	12	18	18	....	35	38	157	109	23	8.5	5.5
31....	8.5	....	17	18	....	44	....	182	....	19	8.0	....
Total	207.0	389.6	552	473	635	1125	2665	2918	4231	2244	216.5	164.5
Mean.	6.68	13.0	17.8	15.3	21.9	36.3	88.8	94.1	141	72.4	6.98	5.48
Max..	9.0	24	22	20	31	62	440	345	238	223	15	7.0
Min..	5.0	9.0	12	10	15	25	26	25	74	19	5.0	4.0
Acre-ft.	411	773	1090	938	1260	2230	5290	5790	8390	4450	429	326

Total run-off for period=31,380 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Fountain Creek Near Fountain, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	32	90	52	86	57	64	30	15	40	41	23	12
2....	28	112	41	69	54	36	26	20	25	22	14	14
3....	30	106	59	66	52	34	23	18	23	14	7.7	13
4....	48	112	59	33	52	62	19	16	20	14	7.2	16
5....	39	123	61	48	40	48	20	22	18	14	291	13
6....	35	128	43	66	59	55	20	25	19	46	50	11
7....	37	123	38	58	57	70	20	33	20	26	13	9.8
8....	30	123	50	64	41	120	50	57	19	14	23	9.0
9....	35	123	48	69	45	140	33	59	20	14	48	12
10....	32	118	54	86	57	86	22	38	23	18	38	12
11....	37	118	64	82	38	61	14	29	43	24	35	14
12....	43	112	69	78	45	48	14	25	32	19	30	14
13....	27	101	74	85	52	37	25	32	15	24	25	15
14....	22	90	69	90	52	35	24	32	13	50	22	17
15....	90	82	64	95	54	52	33	26	14	61	23	23
16....	145	70	64	100	50	38	26	35	13	41	27	13
17....	140	58	74	110	52	33	22	33	25	41	87	12
18....	175	74	69	70	59	43	35	83	16	43	125	9.0
19....	140	74	64	30	59	50	52	66	14	9.8	59	11
20....	66	66	64	70	59	45	23	41	14	7.7	35	9.0
21....	112	78	59	130	59	50	11	132	13	8.2	32	11
22....	123	90	69	110	59	72	9.8	186	13	9.0	33	14
23....	134	128	66	69	57	66	15	83	11	14	24	14
24....	118	112	57	57	57	64	15	64	9.8	5.7	43	13
25....	123	106	48	52	57	57	15	66	6.7	278	32	12
26....	106	91	64	54	54	59	13	77	3.2	41	25	11
27....	90	80	40	54	64	41	12	57	4.7	14	32	11
28....	78	69	35	57	64	41	13	43	5.2	11	29	13
29....	62	59	45	61	40	40	16	35	18	14	19	16
30....	70	52	56	50	....	40	17	33	87	16	18	22
31....	86	....	68	38	....	35	....	45	....	23	17	....
Total	2333	2868	1787	2187	1517	1729	667.8	1526	597.6	977.4	1286.9	395.8
Mean...	75.3	95.6	57.6	70.5	54.2	55.8	22.3	49.2	19.9	31.5	41.5	13.2
Max....	175	128	74	130	66	140	52	186	87	278	291	23
Min....	22	52	35	30	38	33	9.8	15	3.2	5.7	7.2	9.0
Acre-ft.	4630	5690	3540	4340	3010	3430	1320	3030	1190	1940	2550	785

Total run-off for period=35,460 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Fountain Creek Near Fountain, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	20	15	43	28	40	16	11	245	544	40	19	23
2....	20	19	41	27	45	15	15	245	364	40	15	20
3....	12	20	45	26	57	16	11	270	265	37	7.4	20
4....	12	18	54	16	41	14	20	304	252	163	26	254
5....	12	16	52	15	33	15	29	287	252	744	38	49
6....	13	9.8	61	15	57	16	50	258	432	177	40	24
7....	11	35	54	20	41	17	61	321	449	67	21	19
8....	9.0	38	61	26	38	20	83	486	381	46	5.0	18
9....	7.7	38	33	33	37	29	130	463	398	53	9.2	14
10....	9.8	32	21	38	38	25	208	578	364	77	8.6	11
11....	9.8	20	22	28	25	22	195	578	252	265	5.6	8.0
12....	14	22	40	36	27	26	125	640	132	139	15	10
13....	14	18	36	45	21	17	130	730	162	93	18	20
14....	8.2	17	31	54	22	15	140	730	132	85	14	21
15....	3.7	17	35	40	22	10	125	690	110	90	46	14
16....	3.7	15	38	33	25	7.0	74	600	100	392	56	5.6
17....	4.7	13	27	36	20	8.3	125	510	97	114	18	5.6
18....	5.7	17	50	40	15	12	86	400	77	121	15	6.2
19....	12	17	38	44	16	18	158	350	74	139	20	10
20....	11	16	37	46	17	26	145	320	55	89	35	11
21....	9.8	17	29	32	18	16	130	300	37	74	51	8.6
22....	9.0	26	27	28	16	30	91	278	23	74	53	6.8
23....	9.0	23	30	30	15	41	91	200	12	64	33	8.0
24....	11	24	33	34	14	43	86	154	14	77	28	8.6
25....	6.7	32	33	37	15	35	83	170	18	77	33	14
26....	4.7	32	29	30	16	31	88	226	20	72	219	20
27....	4.2	30	32	22	14	23	104	252	21	62	89	24
28....	4.2	33	25	21	14	16	170	816	23	49	44	18
29....	3.7	33	22	20	14	13	245	1020	35	38	19	12
30....	3.7	57	24	25	....	14	232	1190	60	40	29	12
31....	5.2	....	25	32	....	12	....	888	....	33	26	....
Total	2850	7238	1138	947	773	6183	3244	14519	5155	3622	10558	6954
Mean...	9.19	24.1	36.7	30.5	26.7	19.9	108	468	172	117	34.1	23.2
Max....	20	57	61	54	57	43	245	1190	544	744	219	254
Min....	3.7	9.8	21	15	14	7.0	11	154	12	33	5.0	5.6
Acre-ft.	565	1440	2260	1880	1530	1230	6430	28800	10220	7180	2090	1380

Total run-off for period=65,000 acre-feet.

Maximum discharge 3,120 sec. ft., July 15, 1944, G. H. 5.22 ft. .07.

Discharge of Fountain Creek at Pueblo, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	26	115	108	142	27	36	30	1.5	16	0	3.4	0.7
2....	27	104	94	98	36	16	24	0.7	7.5	0	0.5	0.5
3....	30	133	120	84	36	47	16	1.9	4.6	0	0	0.7
4....	30	133	146	52	36	47	14	0.3	1.9	0	0	0.5
5....	31	112	146	60	65	54	9.0	0.0	4.6	0.1	0	1.0
6....	33	115	108	87	57	77	9.0	0.3	6.0	0.8	49	0.7
7....	33	115	47	101	154	10	9.0	10	7.5	0.2	0.5	0.2
8....	30	115	55	44	101	22	65	43	0.8	19	0.5	0.1
9....	28	98	43	48	61	50	43	210	0.0	3.5	0.8	0.2
10....	28	115	58	54	71	30	12	71	0.1	0.8	0.5	0.3
11....	27	104	104	48	134	36	2.7	24	2.7	0.8	0.3	0.5
12....	34	124	115	51	119	50	2.2	20	1.5	0.2	0.5	0.7
13....	27	124	112	57	125	50	1.2	20	1.9	0	0.5	1.2
14....	30	128	101	39	71	30	0.7	9.0	1.2	0.5	2.7	1.0
15....	77	120	101	27	77	22	0.0	4.6	0.7	0.5	9.0	0.4
16....	156	112	87	4.6	77	22	0.0	2.2	0.4	0.4	2.7	0.7
17....	190	112	87	4.0	77	14	0.2	2.7	0.7	0.5	16	1.2
18....	185	128	84	3.5	54	22	0.8	10	0.7	0.5	18	1.2
19....	180	133	87	3.1	71	47	2.7	107	1.0	0	1.2	1.5
20....	94	128	80	4.6	57	27	1.5	89	1.2	0	0.5	1.0
21....	101	120	77	95	50	27	0.3	50	1.2	0	0.4	0.5
22....	142	112	69	119	77	39	0.0	113	0.8	0	0.4	0.5
23....	170	128	84	77	65	61	0.0	77	0.7	0	0.5	0.5
24....	128	108	84	30	77	57	0.2	71	0.5	0.7	0.7	0.5
25....	165	101	72	24	54	50	2.2	65	0.4	0	0.7	0.5
26....	151	90	87	43	89	50	2.2	33	0.4	0	0.7	0.5
27....	112	108	68	43	43	30	1.0	18	0.3	0	0.5	0.8
28....	128	104	58	36	47	39	1.5	9.0	0.4	0	0.7	1.5
29....	120	87	90	57	....	33	1.5	16	0.7	0	0.7	9.0
30....	94	124	142	54	....	30	1.5	20	1.5	0.2	0.4	3.4
31....	112	....	112	47	....	24	....	22	....	1.9	0.3	....
Total	2719	3450	2826	1636.8	2008	1149	253.4	1121.2	67.9	30.6	112.6	32.0
Mean.	87.7	115	91.2	52.8	71.7	37.1	8.44	36.2	2.26	0.99	3.63	1.07
Max..	190	133	146	142	154	77	65	210	16	19	49	9.0
Min..	26	87	43	3.1	27	10	0	0	0	0	0	0.1
Acre-ft.	5390	6840	5610	3250	3980	2280	503	2220	135	61	223	63

Total run-off for period==30,560 acre-feet.

Discharge of Fountain Creek at Pueblo, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.8	0.5	30	30	30	37	26	170	460	0.1	13	5.5
2....	0.6	0.7	24	34	29	45	35	229	354	0.3	8.0	4.1
3....	0.7	6.4	20	40	27	52	35	258	310	0.9	5.2	2.9
4....	1.0	5.5	27	37	18	58	29	276	310	0.7	350	259
5....	1.0	6.4	27	38	27	71	35	250	310	23	500	231
6....	1.0	1.9	37	35	27	32	34	236	318	26	30	17
7....	1.0	0.6	45	26	38	16	32	284	276	9.1	7.0	12
8....	1.0	13	30	29	38	14	30	382	250	1.9	6.0	9.5
9....	1.0	24	17	23	42	11	42	382	215	1.9	3.8	7.5
10....	1.0	17	14	20	21	10	258	402	201	156	3.5	7.0
11....	1.0	17	30	21	18	8.2	201	440	180	0.7	3.2	6.5
12....	1.0	17	35	26	30	7.3	130	440	165	13	3.2	5.0
13....	1.0	17	77	34	24	13	140	480	135	26	3.5	4.7
14....	1.0	17	55	18	40	6.4	112	562	102	0.4	3.5	3.8
15....	1.0	17	45	35	34	3.7	120	614	83	1.2	2.3	3.5
16....	0.9	14	71	26	37	2.8	140	614	65	119	2.6	2.6
17....	1.0	13	68	21	24	2.8	145	614	42	71	6.5	2.3
18....	1.0	13	48	23	21	27	135	510	26	311	4.4	1.7
19....	1.1	9.1	30	35	26	38	165	411	37	564	2.6	1.7
20....	0.9	8.2	40	32	30	35	222	344	18	20	2.0	1.7
21....	0.5	6.4	32	65	50	27	170	335	2.8	163	2.9	1.7
22....	0.6	4.6	24	32	45	24	140	301	0.4	113	2.0	1.6
23....	0.6	16	24	34	40	65	130	267	0	50	2.3	1.7
24....	0.6	17	37	50	45	71	140	194	0	77	2.3	1.7
25....	0.6	20	27	42	38	60	150	187	0	65	1.0	1.7
26....	1.1	21	30	45	27	48	150	318	0.1	39	12	1.7
27....	1.1	17	34	34	27	45	150	354	0	36	88	1.8
28....	1.0	18	34	23	34	27	140	500	0	22	54	1.8
29....	1.3	20	27	23	35	35	165	510	0	20	35	1.7
30....	0.6	30	24	34	....	30	175	562	0	22	16	1.6
31....	0.3	....	27	27	....	27	....	490	....	18	9.0	....
Total	27.3	388.3	1090	992	922	949.2	3576	11916	3860.3	1971.2	1184.8	606.0
Mean.	0.88	12.9	35.2	32.0	31.8	30.6	119	384	129	63.6	38.2	20.2
Max..	1.3	30	77	65	50	71	258	614	460	564	500	259
Min..	0.3	0.5	14	18	18	2.8	26	170	0	0.1	1.0	1.6
Acre-ft.	54	770	2160	1970	1830	1880	7090	23640	7660	3910	2350	1200

Total run-off for period==54,510 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Monument Creek at Pikeview, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	12	15	17	10	17	4.0	12	14	29	12	3.6	1.2
2....	12	16	16	5.6	13	3.0	14	11	26	7.9	3.2	1.2
3....	12	13	13	5.2	7.2	3.2	14	13	25	5.8	4.1	1.4
4....	13	14	13	2.8	5.6	5.0	16	14	26	5.5	4.1	1.1
5....	13	12	21	7.6	6.8	4.5	18	12	26	7.9	4.1	1.8
6....	10	12	16	8.0	6.0	4.0	14	13	28	12	2.5	1.2
7....	7.2	12	13	14	4.4	6.0	21	17	17	5.8	1.9	1.2
8....	7.6	11	10	8.0	5.2	11	24	17	18	9.2	1.7	1.4
9....	6.8	16	15	8.0	5.2	13	21	17	17	12	3.2	1.5
10....	7.2	21	11	9.2	4.0	11	20	14	20	12	5.5	1.5
11....	10	32	13	9.8	9.2	12	20	11	20	8.8	4.9	1.5
12....	13	30	14	13	10	13	20	11	16	9.2	6.0	2.1
13....	17	26	14	13	9.8	11	21	12	14	10	6.0	2.1
14....	20	27	14	11	11	16	19	18	17	8.4	6.6	1.8
15....	28	23	19	9.8	10	10	19	21	17	8.8	7.5	2.6
16....	30	21	17	7.2	13	9.2	15	26	17	6.6	8.8	2.6
17....	39	21	19	9.2	13	8.6	15	26	13	7.9	8.4	2.8
18....	41	20	17	7.6	13	9.2	12	28	9.7	5.2	9.2	2.3
19....	41	23	13	7.2	8.6	16	12	23	7.5	5.5	5.5	2.3
20....	36	20	6.0	7.6	6.8	14	14	21	9.2	3.6	2.3	2.1
21....	41	26	4.4	18	4.8	13	16	22	3.8	3.4	1.2	2.1
22....	33	32	6.0	36	3.3	12	16	19	4.1	6.3	1.5	1.8
23....	34	28	4.0	47	3.3	12	14	21	5.2	4.4	1.4	1.8
24....	39	22	3.8	47	1.8	8.0	14	24	5.2	7.4	2.1	1.8
25....	27	31	9.8	52	2.6	7.2	14	25	4.6	6.0	1.8	1.6
26....	22	22	6.4	69	6.8	13	14	24	7.0	3.0	2.3	2.3
27....	29	26	4.8	34	6.4	12	15	26	9.7	3.0	1.8	6.0
28....	22	22	7.0	47	3.5	9.2	13	26	12	3.4	1.6	6.4
29....	19	16	10	30	....	11	13	26	12	3.2	1.8	2.3
30....	14	19	12	22	....	9.8	13	29	17	3.0	2.6	1.2
31....	12	....	16	19	....	10	....	32	....	3.4	1.8	....
Total	667.8	619	375.2	594.8	211.3	300.9	433	613	453.0	277.2	119.0	63.0
Mean	21.5	20.6	12.1	19.2	7.55	9.71	16.1	19.8	15.1	8.94	3.84	2.10
Max...	41	32	21	69	17	16	24	32	29	74	9.2	6.4
Min...	6.8	11	3.8	2.8	1.8	3.0	12	11	3.8	3.0	1.4	1.1
Acre-ft.	1320	1230	744	1180	419	597	958	1220	899	550	236	125

Total run-off for period=9,480 acre-feet.

Discharge of Monument Creek at Pikeview, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	2.5	21	9.7	5.7	4.1	8.4	3.0	87	152	11	8.8	3.6
2....	2.0	30	7.9	4.6	3.8	8.8	3.0	89	131	19	8.1	3.9
3....	3.0	20	9.2	4.7	4.9	10	2.5	84	128	17	4.2	3.4
4....	3.0	14	12	*4.7	6.6	9.2	1.9	99	128	52	3.9	3.1
5....	3.6	11	15	4.7	9.7	8.8	2.1	131	112	80	2.3	2.7
6....	3.8	8.4	10	4.3	11	7.5	3.2	131	104	35	1.9	2.8
7....	3.2	6.3	9.2	4.1	9.7	8.4	3.8	142	72	32	3.9	2.2
8....	3.2	5.2	7.5	4.6	11	7.0	6.0	174	61	29	5.0	1.6
9....	3.8	4.9	6.0	5.2	11	6.6	7.9	226	66	20	3.1	1.8
10....	4.0	8.8	5.0	*5.7	12	5.5	9.2	280	72	22	3.1	1.2
11....	4.0	9.2	7.5	4.8	11	6.0	14	292	66	35	2.7	0.8
12....	4.0	6.6	8.5	5.6	6.8	5.8	43	336	63	41	2.7	1.3
13....	3.4	5.8	8.2	6.4	7.2	3.0	35	348	52	44	2.7	2.0
14....	3.4	4.1	7.5	8.8	7.0	2.8	52	360	48	37	2.5	2.0
15....	3.4	3.4	7.9	8.0	7.5	2.1	57	312	48	145	2.3	1.6
16....	3.2	3.0	5.5	9.2	8.5	1.7	59	330	50	15	1.9	1.6
17....	3.4	6.0	5.8	9.7	*8.0	7.5	57	319	41	13	1.6	1.2
18....	3.4	5.8	10	10	9.4	5.0	70	280	52	23	1.9	1.3
19....	4.5	5.2	5.5	7.9	9.0	3.6	61	239	35	26	2.2	1.2
20....	3.3	14	4.9	8.8	12	4.4	61	203	14	27	2.2	0.9
21....	2.6	14	2.5	8.8	17	7.0	61	185	11	35	2.3	1.2
22....	3.0	10	1.6	13	26	12	70	142	11	17	1.9	1.8
23....	3.0	9.7	1.7	10	35	17	57	137	11	22	2.4	2.4
24....	3.2	9.2	4.1	8.8	24	14	61	117	11	13	2.4	2.7
25....	3.4	10	7.0	7.0	18	7.0	75	104	13	23	1.9	4.2
26....	6.2	11	7.0	4.9	15	7.9	72	104	19	19	4.2	3.6
27....	6.2	7.9	8.4	4.0	14	7.9	75	123	19	26	6.0	4.2
28....	5.0	8.8	8.8	3.6	12	5.2	94	134	17	20	4.5	3.1
29....	10	7.0	7.5	3.7	9.2	3.4	94	140	16	20	5.0	3.1
30....	4.9	8.4	11	4.8	....	1.9	97	148	22	19	6.3	4.8
31....	5.8	....	5.2	4.5	....	1.3	....	159	....	11	4.8	....
Total	121.4	288.7	227.6	200.6	340.4	206.7	1307.6	5985	1645	948	108.7	71.3
Mean	3.92	9.62	7.34	6.47	11.7	6.67	43.6	193	54.8	30.6	3.51	2.38
Max...	10	30	15	13	35	17	97	360	152	145	8.8	4.8
Min...	2.0	3.0	1.6	3.6	3.8	13	1.9	84	11	11	1.6	0.8
Acre-ft.	241	573	451	398	675	410	2590	11870	3260	1880	216	141

Total run-off for period=22,700 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of St. Charles River Near Pueblo, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	8.6	17	16	9.6	9.0	5.8	7.2	4.2	8.0	0.6	0	0.5
2....	13	16	15	10	8.6	4.8	7.2	3.9	6.6	0.1	0	0.5
3....	11	16	14	6.9	10	4.5	6.6	3.9	6.2	0.1	0	0.5
4....	8.6	13	8.6	6.9	6.2	8.0	6.2	3.1	5.5	0	0.1	1.6
5....	7.4	13	13	4.7	8.3	6.5	6.6	3.3	6.2	0	0.1	2.4
6....	6.2	15	10	5.2	7.6	8.0	6.9	3.6	6.6	0.3	2.0	0.8
7....	6.6	15	10	5.5	9.0	9.0	7.6	11	4.7	0.3	1.7	0.7
8....	7.2	15	7.2	10	10	11	11	16	8.6	0.4	0.2	0.6
9....	6.6	13	9.6	12	7.2	10	14	30	6.2	0.6	2.6	0.3
10....	5.5	18	12	17	5.2	8.6	13	22	4.7	0.6	4.4	0.1
11....	5.5	14	8.6	16	8.3	11	11	16	5.0	0.3	1.7	0.1
12....	3.9	21	9.0	15	10	10	9.6	13	4.2	0.2	0.5	0.2
13....	5.5	16	12	12	7.6	8.6	8.0	17	3.1	0.2	0	0.1
14....	5.0	16	13	23	7.2	8.6	7.6	14	2.4	0.2	0	0.1
15....	14	16	13	24	7.2	6.6	6.6	13	2.3	0.4	0	0.2
16....	31	13	12	15	6.6	5.5	6.9	9.0	1.2	0.4	0	0.2
17....	734	20	14	11	6.9	6.6	7.2	8.3	1.0	0.4	2.6	0.1
18....	143	17	11	6.5	6.9	6.9	6.9	13	0.8	0.4	303	0.1
19....	50	14	11	5.5	6.9	6.6	7.6	20	0.4	0.3	28	0.2
20....	35	14	8.6	10	6.9	9.0	10	20	0.7	0.3	8.0	0.2
21....	35	15	8.6	14	6.6	8.0	9.6	16	0.6	0.3	4.2	0.2
22....	25	16	8.3	23	6.6	8.3	7.2	44	0.4	0.3	2.1	0.2
23....	30	17	8.6	36	6.2	8.3	5.8	32	0.6	0.4	1.4	0.2
24....	34	18	9.0	18	6.2	8.3	5.5	22	0.4	0.2	0.8	0.2
25....	39	15	8.6	15	6.2	8.0	5.8	15	0.2	0.1	0.5	0.3
26....	30	11	8.0	12	8.6	8.0	5.5	14	0.2	0.1	0.4	0.3
27....	34	7.2	7.4	13	7.2	8.3	8.0	13	0.2	0.1	0.5	0.4
28....	24	19	8.5	13	7.2	7.6	6.2	8.6	0.3	0.1	0.6	0.4
29....	23	11	10	14	....	7.6	5.0	7.2	0.3	0.1	0.5	0.5
30....	20	15	17	12	....	6.9	4.2	9.6	1.2	0	0.4	0.9
31....	20	11	11	10	....	7.2	....	10	....	0	0.4	....
Total	1421.6	456.2	332.6	405.8	210.8	242.1	230.5	435.7	88.8	7.8	431.5	27.5
Mean.	45.9	15.2	10.7	13.1	7.53	7.81	7.68	14.1	2.96	.25	13.9	.92
Max..	734	21	17	36	10	11	14	44	8.6	0.6	303	1.6
Min..	3.9	7.2	7.2	4.7	5.2	4.5	4.2	3.1	0.2	0	0	0.1
Acre-ft.	2820	905	660	805	418	480	457	864	176	15	856	55

Total run-off for period=8,510 acre-feet.

Discharge of St. Charles River Near Pueblo, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.3	0.3	1.8	3.6	5.6	2.5	4.6	176	438	8.0	3.2	2.1
2....	0.3	0.3	2.5	3.3	9.5	2.5	5.3	194	364	5.3	2.3	1.8
3....	0.3	0.3	2.5	3.5	6.0	3.2	4.6	162	290	3.6	1.6	1.8
4....	0.3	0.3	4.2	3.6	5.0	3.6	3.9	139	228	2.8	1.8	1.6
5....	0.3	0.3	4.2	1.5	14	3.2	3.9	114	188	2.8	.67	.38
6....	0.3	0.5	4.6	1.3	4.6	2.1	3.2	131	188	5.6	.48	.70
7....	0.3	1.0	3.2	*1.3	3.2	2.1	3.2	200	240	6.5	9.5	3.6
8....	0.3	1.2	3.9	1.6	4.2	2.1	3.6	326	212	177	5.6	2.3
9....	0.3	1.4	9.0	2.0	3.2	2.1	4.2	308	170	7.9	5.0	1.6
10....	0.3	1.8	*35	1.9	3.6	2.3	28	371	170	7.0	4.6	1.4
11....	0.3	1.8	18	1.8	12	2.3	34	314	145	131	4.6	1.8
12....	0.2	1.6	13	2.5	8.0	2.3	32	338	133	81	4.2	1.8
13....	0.2	1.6	*10	*2.3	3.5	1.8	92	357	110	32	3.6	1.4
14....	0.2	1.6	6.0	4.5	2.3	1.6	338	392	97	15	3.2	1.4
15....	0.2	1.6	4.2	4.0	2.6	1.8	165	510	73	11	3.2	1.0
16....	0.2	1.6	4.2	5.0	2.9	1.8	117	483	62	28	4.2	0.5
17....	0.2	1.8	5.0	6.6	2.5	1.8	83	438	54	22	3.9	0.5
18....	0.2	1.4	5.6	6.2	2.1	5.6	56	290	39	438	2.8	0.3
19....	0.2	1.4	5.6	6.4	2.8	7.5	53	216	39	109	2.5	0.2
20....	0.2	1.4	7.5	8.0	3.6	7.0	57	204	37	46	2.1	0.2
21....	0.2	1.6	8.0	6.0	3.9	4.6	50	208	32	25	3.9	0.2
22....	0.2	1.4	6.5	7.0	3.6	5.0	76	204	27	19	8.0	0.2
23....	0.2	1.8	7.5	7.0	3.2	7.0	97	191	23	13	5.0	0.2
24....	0.2	1.8	6.5	6.0	2.8	8.0	191	185	20	12	3.6	0.2
25....	0.2	1.8	7.5	9.0	2.8	6.5	208	208	16	9.5	2.5	0.2
26....	0.2	1.8	8.0	3.9	2.3	7.0	179	220	14	6.5	31	0.2
27....	0.2	1.4	3.6	3.9	2.5	5.6	176	228	10	5.6	51	0.2
28....	0.2	1.8	3.9	8.5	2.8	5.3	168	456	7.0	5.0	9.0	0.2
29....	0.2	2.3	4.2	7.5	2.5	5.3	176	580	5.6	4.2	4.6	0.3
30....	0.2	2.5	3.4	4.9	....	4.6	162	580	8.0	4.2	3.2	0.3
31....	0.2	....	3.0	5.4	....	5.0	....	492	....	3.6	2.3	....
Total	7.3	41.4	212.1	140.0	127.6	123.1	2574.5	9215	3439.6	1318.2	307.0	72.5
Mean.	0.24	1.38	6.84	4.52	4.40	3.97	85.8	297	115	42.5	9.90	2.42
Max..	0.3	2.5	35	9.0	14	8.0	338	580	438	438	67	38
Min..	0.2	0.3	1.8	1.3	2.1	1.6	3.2	114	5.6	2.8	1.6	0.2
Acre-ft.	14	82	421	278	253	244	5110	18280	6820	2610	609	144

Total run-off for period=34,860 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Six Mile Creek Near Avondale, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	8.8	10	12	11	7.6	6.9	7.6	6.3	7.6	5.6	5.4	5.2
2....	8.8	10	12	10	7.6	6.6	7.6	6.8	8.1	6.8	5.4	5.6
3....	8.9	10	12	10	7.1	6.4	7.6	6.8	7.6	6.5	5.8	5.6
4....	9.0	11	12	10	6.6	6.6	7.6	7.8	7.3	6.3	5.8	5.6
5....	9.1	11	13	10	6.6	6.4	7.0	6.8	8.3	6.0	6.3	5.4
6....	9.2	11	12	9.8	6.6	6.4	7.0	7.6	8.3	5.4	5.8	5.4
7....	9.3	11	12	9.8	6.6	6.4	7.0	9.7	8.3	6.3	5.8	5.6
8....	9.4	11	12	9.8	6.2	6.9	7.0	8.9	7.0	6.0	7.6	5.6
9....	9.5	11	11	9.2	5.9	6.4	6.0	11	6.8	6.3	7.0	5.4
10....	9.5	10	11	9.2	6.2	6.6	5.6	9.2	6.8	6.3	6.0	5.4
11....	9.5	10	11	8.7	6.4	6.4	5.6	8.6	7.3	6.3	5.8	5.6
12....	9.6	10	11	8.7	6.4	5.5	4.2	7.0	7.8	6.3	6.0	5.8
13....	9.6	10	11	8.4	6.4	5.4	4.2	7.0	6.8	6.0	6.3	6.0
14....	9.6	10	11	8.2	6.6	5.6	5.2	6.5	6.0	6.0	5.6	6.3
15....	9.7	10	11	7.9	6.6	6.0	5.8	7.0	5.8	6.3	5.8	6.0
16....	12	10	11	7.1	6.9	6.0	6.8	7.0	5.4	6.0	5.8	6.3
17....	15	10	11	7.1	6.9	6.8	6.8	6.5	5.8	5.8	6.3	6.0
18....	13	10	11	6.9	6.9	7.0	7.0	7.0	6.0	5.6	7.6	5.8
19....	11	10	11	6.9	7.4	7.6	7.0	7.3	6.5	5.8	8.9	5.8
20....	10	10	11	6.9	7.1	7.8	7.0	6.8	6.0	5.6	7.6	5.8
21....	10	11	11	8.2	7.1	8.3	7.0	6.8	6.8	5.4	6.3	5.8
22....	10	11	11	8.7	6.9	8.6	6.8	7.3	6.5	5.8	5.8	5.8
23....	10	11	11	9.5	6.9	9.2	7.0	7.6	6.3	5.8	5.2	6.3
24....	10	11	11	9.2	6.9	9.4	7.0	7.0	6.0	6.5	5.2	7.0
25....	10	11	12	9.2	7.1	10	8.1	6.5	5.6	5.4	5.2	6.8
26....	10	11	12	9.2	6.9	10	5.8	7.0	5.8	5.6	5.2	6.3
27....	10	11	11	8.9	6.6	9.4	6.8	6.8	5.4	5.6	5.2	6.3
28....	10	11	11	8.9	6.6	8.3	6.5	6.8	5.8	5.0	5.2	6.3
29....	10	11	11	8.4	....	7.8	6.5	7.0	6.5	5.0	5.2	6.8
30....	10	11	11	7.6	....	7.8	6.0	7.6	6.8	5.6	5.0	7.0
31....	10	....	11	7.6	....	7.8	....	7.3	....	5.4	5.2	....
Total	310.5	316	352	271.0	189.6	226.3	197.1	229.9	201.0	182.3	185.3	178.6
Mean.	10.0	10.5	11.4	8.76	6.77	7.30	6.57	7.42	6.70	5.88	5.98	5.95
Max..	15	11	13	11	7.6	10	8.1	11	8.3	6.8	8.9	7.0
Min..	8.8	10	11	6.9	5.9	5.4	4.2	6.3	5.4	5.0	5.0	5.2
Acres-ft.	616	627	698	538	376	449	391	456	399	362	368	354

Total run-off for period=5,630 acre-feet.

Discharge of Six Mile Creek Near Avondale, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	7.0	7.3	6.1	6.9	6.9	6.7	6.3	6.7	6.7	8.6	9.7	7.8
2....	6.8	7.3	6.5	6.7	6.9	6.3	6.5	6.7	8.0	8.4	9.2	8.0
3....	6.5	7.0	6.1	6.9	6.7	6.5	6.1	6.5	7.8	8.8	9.0	7.8
4....	6.5	7.0	6.1	6.3	6.9	6.3	5.7	6.9	7.6	10	9.0	8.0
5....	7.0	7.0	6.3	6.7	6.9	6.3	5.7	7.1	7.8	10	23	8.0
6....	7.0	6.5	6.3	7.6	7.8	6.5	5.3	7.1	7.6	9.3	8.7	8.0
7....	6.5	6.5	6.3	8.0	8.0	6.5	4.9	7.3	7.6	8.8	8.2	8.0
8....	6.8	6.5	6.1	7.3	8.0	6.5	4.9	7.8	9.1	9.1	8.0	8.0
9....	6.5	6.3	6.5	7.3	7.8	6.3	5.1	6.9	9.1	8.8	8.2	8.0
10....	6.5	6.3	6.9	6.9	8.0	6.3	11	6.5	9.6	37	8.0	7.6
11....	6.5	6.3	6.7	6.7	7.6	6.1	11	6.5	8.8	26	8.2	7.8
12....	6.5	6.5	6.7	6.5	7.6	5.9	7.6	6.3	8.6	88	8.5	7.3
13....	6.5	7.0	6.9	6.5	7.1	5.7	7.1	6.7	9.1	26	7.6	7.1
14....	6.8	7.0	6.9	6.5	6.9	6.3	7.1	7.3	9.6	19	8.0	6.9
15....	6.8	7.0	6.9	6.3	6.9	6.5	6.9	7.8	9.6	16	8.0	6.9
16....	6.8	7.3	6.9	6.3	6.3	6.1	6.9	8.0	9.3	13	7.3	7.1
17....	6.8	7.6	6.9	7.1	6.7	6.1	7.6	8.0	9.1	13	7.8	6.9
18....	6.5	7.3	6.9	7.8	6.7	6.9	7.3	8.0	9.3	23	7.1	6.9
19....	6.8	7.3	7.3	7.6	6.7	6.9	7.6	7.8	8.8	12	7.3	6.9
20....	6.5	7.3	7.3	8.2	6.7	6.9	7.6	7.8	8.2	9.4	7.1	6.9
21....	6.5	7.3	7.3	9.6	6.9	6.9	7.3	7.8	8.4	11	7.1	6.9
22....	6.5	7.6	7.3	9.8	7.1	6.9	8.0	7.3	8.2	10	7.1	6.9
23....	6.8	7.6	7.3	11	6.9	7.3	7.1	6.7	7.8	9.9	7.3	7.1
24....	7.0	7.6	7.3	8.0	6.9	7.3	6.7	5.7	7.6	10	8.0	7.1
25....	7.0	7.6	7.1	6.9	6.9	6.5	6.7	6.1	8.2	9.7	7.3	7.1
26....	6.8	7.6	7.1	6.9	6.9	6.5	6.7	7.1	9.8	9.4	9.7	7.1
27....	6.5	7.3	7.1	6.9	6.9	5.9	6.7	7.8	9.1	9.4	8.7	7.1
28....	6.8	7.0	6.9	6.7	6.9	5.9	6.3	8.2	8.6	9.2	8.2	7.1
29....	6.8	6.8	6.5	6.7	6.9	6.1	6.1	6.7	9.6	9.0	8.2	7.1
30....	6.8	6.3	6.7	6.9	....	6.3	6.7	7.1	9.8	9.4	8.0	7.3
31....	6.8	....	6.9	6.9	....	6.1	....	6.5	....	9.2	8.0	....
Total	207.9	211.0	210.1	226.4	205.4	199.3	206.5	220.7	258.4	470.4	265.5	220.7
Mean.	6.71	7.03	6.78	7.30	7.08	6.43	6.88	7.12	8.61	15.2	8.56	7.36
Max..	7.0	7.6	7.3	11	8.0	7.3	11	8.2	9.8	88	23	8.0
Min..	6.5	6.3	6.1	6.3	6.3	5.7	4.9	5.7	6.7	8.4	7.1	6.9
Acres-ft.	412	419	417	449	407	395	410	438	513	933	527	438

Total run-off for period=5,760 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Chico Creek Near North Avondale, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0	4.2	0	0	0	0	0	0	0	0	0	0
2....	0	0	0	0	0	16	0	0	0	0	0	0
3....	0.2	0	0	0	0	0	0	0	0	0	0	0
4....	1.4	0	0	0	0	0	0	0	0	0	0	0
5....	1.6	0	0	0	0	0	0	0	0	0	0	0
6....	3.4	0	0	0	0	0	0	0.5	0	0	0	0
7....	4.2	0	0	0	0	0	0	0.5	0	0	0	0
8....	3.8	0	0	0	0	0	0	1.0	0	0	0	0
9....	1.4	0	0	0	0	0	0	3.4	0	0	0	0
10....	1.3	0	0	0	0	0	0	0	0	0	0	0
11....	1.5	0	0	0	0	0	0	0	0	0	0	0
12....	4.2	0	0	0	0	0.1	0	0	0	0	0	0
13....	4.7	0	0	0	0	1.3	0	0	0	0	0	0
14....	2.0	0	0	0	0	6.7	0	0	0	0	0	0
15....	0	0	0	0	0	13	0	0	0	0	0	0
16....	0	0	0	0	0	2.0	0	0	0	0	0	0
17....	0	0	0	0	0	0.6	0	0	0	0	0	0
18....	0	0	0	0	0	2.9	0	0	0	0	0	0
19....	0	0	0	0	0	17	0	0	0	0	0	0
20....	0	0	0	0	0	9.5	0	0	0	0	0	0
21....	0	0	0	0	0	8.1	0	0	0	0	0	0
22....	0	0	0	0	5.7	5.1	0	0	0	0	0	0
23....	0	0	0	0	13	3.8	0	0	0	0	0	0
24....	0	0	0	0	13	3.4	0	0	0	0	0	0
25....	0.2	0	0	0	20	0	0	0	0	0	0	0
26....	5.1	0	0	0	12	0	0	0	0	0	0	0
27....	6.0	0	0	0	8.8	0	0	0	0	0	0	0
28....	5.1	0	0	0	0	0	0	0	0	0	0	0
29....	3.8	0	0	0	0	0	0	0	0	0	0	0
30....	2.5	0	0	0	....	0	0	0	0	0	0	0
31....	4.7	....	0	0	....	0	....	0	....	0	0	....
Total	57.1	4.2	0	0	72.5	89.5	0	5.4	0	0	0	0
Mean.	1.84	0.14	0	0	2.59	2.89	0	0.17	0	0	0	0
Max..	6.0	4.2	0	0	20	17	0	3.4	0	0	0	0
Min..	0	0	0	0	0	0	0	0	0	0	0	0
Acre-ft.	113	8.3	0	0	144	178	0	11	0	0	0	0

Total run-off for period==454 acre-feet.

Discharge of Chico Creek Near North Avondale, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0	0	0	0	0	0	0	0	5.3	4.2	0	0
2....	0	0	0	0	0	0	0	0	1.8	0	0	0
3....	0	0	0.2	0	0	0	0	0	0.1	0.2	0	0
4....	0	0	0	0	0	0	0	0	0	0.8	2.4	0
5....	0	0	0	0	0	0	0	2.8	3.6	0.2	1.6	0
6....	0	0	0	0	0	0	0	5.3	0	0	0	0
7....	0	0	0	0	0	0	0	3.3	6.7	0.6	0	0
8....	0	0	0	0	0	0	0	4.3	5.1	0	0	0
9....	0	0	0	0	0	0	0	6.0	14	0.2	0	0
10....	0	0	0	0	0	0	2.6	5.1	11	14	0	0
11....	0	0.4	0	0	0	0	0	5.1	0	0.5	0	0
12....	0	2.0	0	0	0	0	0	6.3	7.7	2.0	0	0
13....	0	5.3	0	0	0	0	0	7.4	7.4	8.8	0	0
14....	0	4.6	0	0	0	0	0	12	6.7	0	0	0
15....	0	5.3	0	0	0	0	0	2.2	4.5	8.8	0	0
16....	0	4.3	0	0	0	0	0	0.8	7.7	0.4	0	0
17....	0	2.8	0	0	0	0	0	1.8	11	5.5	0.3	0
18....	0	0.2	0	0	0	0	0	0	0	4.0	0.8	0
19....	0	0.7	0	0	0	0	0	0	0.5	1.6	0	0
20....	0	0.1	0	0	0	0	1.3	0	9.2	9.6	0	0.8
21....	0	0	0	0	0	0	0	0	8.8	4.0	0	0.5
22....	0	0	0	0	0	0	1.7	0.2	10	4.0	0	0
23....	2.5	1.8	0	0	0	0	0.6	0.3	10	15	0	0
24....	0	0.3	0	0	0	0	0	0	8.8	12	0	0
25....	0	0.1	0	0	0	0	0	0	0	3.4	0	0
26....	0	0.4	0	0	0	0	0	0.9	1.7	4.5	6.7	0
27....	0	0.9	0	0	0	0	0	0.8	12	1.1	0.4	0
28....	0	9.2	0	0	0	0	0	1.2	15	0	0	23
29....	0	5.1	0	0	0	0	0	0.6	11	0	0	1.1
30....	0	0.3	0	0	0	0	0	1.6	2.6	0	0	0
31....	0	0	0	0	....	0	....	5.6	....	0	0	....
Total	2.5	43.8	0.2	0	0	0	6.2	73.6	182.2	105.4	122	25.4
Mean.	.08	1.46	.01	0	0	0	.21	2.37	6.07	3.40	.39	.85
Max..	2.5	9.2	0.2	0	0	0	2.6	12	15	15	6.7	23
Min..	0	0	0	0	0	0	0	0	0	0	0	0
Acre-ft.	5.0	87	0.4	0	0	0	12	146	361	209	24	50

Total run-off for period==894 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of Huerfano River at Manzanares Crossing Near Redwing, Colo., for Year
Ending Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	14	16	16	21	20	14	21	47	33	68	29	48
2....	16	15	23	21	20	13	25	51	44	48	23	37
3....	19	16	17	20	19	11	25	51	41	41	23	31
4....	18	16	21	16	17	15	25	55	33	36	24	29
5....	16	15	21	17	15	12	26	48	29	30	24	24
6....	18	16	19	19	16	11	24	42	25	26	25	22
7....	19	18	14	17	17	14	24	50	25	26	26	20
8....	17	16	13	17	16	16	23	48	26	24	23	20
9....	16	15	14	19	*15	19	22	42	28	23	23	19
10....	18	16	*16	20	15	20	23	35	30	23	32	18
11....	18	16	17	19	14	18	19	32	45	19	32	18
12....	17	16	18	18	16	18	18	37	44	16	28	16
13....	18	14	19	*17	16	20	16	37	37	12	31	14
14....	20	15	20	18	15	18	19	36	29	16	51	14
15....	19	12	21	17	15	14	20	35	25	21	70	15
16....	21	12	22	16	14	11	19	32	23	21	77	16
17....	23	14	22	12	14	12	20	30	22	21	58	20
18....	21	16	23	10	14	11	22	30	24	17	51	22
19....	19	16	23	9	14	10	19	31	26	14	44	22
20....	20	14	22	14	14	11	21	29	25	16	36	21
21....	21	16	22	22	14	12	23	32	24	19	33	19
22....	21	17	20	25	14	10	21	33	26	31	28	16
23....	20	17	21	25	13	11	28	31	31	56	24	17
24....	20	17	23	21	13	13	33	28	30	70	20	17
25....	18	17	23	19	14	13	36	28	29	77	20	17
26....	16	18	22	18	16	16	36	32	28	58	26	16
27....	16	19	20	18	16	22	35	32	29	45	51	15
28....	16	17	16	19	15	25	36	37	37	42	47	17
29....	17	17	17	18	....	31	33	47	53	33	58	18
30....	14	17	19	19	....	30	37	48	111	30	51	18
31....	14	....	20	20	....	25	....	38	....	33	61	....
Total	560	476	604	561	431	496	749	1184	1012	1012	1149	616
Mean.	18.1	15.9	19.5	18.1	15.4	16.0	25.0	38.2	33.7	32.6	37.1	20.5
Max..	23	19	23	25	20	31	37	55	111	77	77	48
Min..	14	12	13	9	13	10	16	28	22	12	20	14
Acre-ft.	1110	944	1200	1110	855	984	1490	2350	2010	2010	2280	1220

Total run-off for period=17,560 acre-feet.

*Winter discharge measurement made on this day.

**Discharge of Huerfano River at Manzanares Crossing Near Redwing, Colo., for Year
Ending Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	19	15	....	....	....	....	13	22	283	153	52	25
2....	20	15	....	....	....	....	15	23	275	156	54	25
3....	18	15	....	....	....	....	16	20	271	150	48	23
4....	16	14	....	....	....	....	18	19	194	190	48	20
5....	16	14	....	*6.0	....	....	19	19	171	187	48	21
6....	16	14	....	....	....	....	20	27	187	184	46	22
7....	16	11	....	....	....	....	21	38	223	154	42	21
8....	15	10	....	....	....	....	20	40	212	140	39	20
9....	16	12	....	....	....	....	19	55	231	125	39	20
10....	15	13	....	....	....	....	18	69	255	115	35	20
11....	15	14	....	....	....	....	17	81	251	118	34	20
12....	16	14	....	....	....	....	23	110	231	115	35	21
13....	16	13	....	....	....	....	20	138	219	106	30	20
14....	15	14	....	....	....	....	17	159	219	99	26	20
15....	15	14	....	....	....	....	17	208	194	99	26	20
16....	15	14	....	....	....	....	16	208	190	93	26	20
17....	15	15	....	....	....	....	15	187	174	84	25	20
18....	14	14	....	....	....	....	15	156	153	82	25	20
19....	15	14	....	....	....	....	17	153	162	88	25	20
20....	15	13	....	....	....	....	16	168	162	101	26	22
21....	14	13	....	....	....	*12	16	187	162	93	31	20
22....	14	13	....	....	....	....	16	194	165	82	30	20
23....	15	13	....	....	....	....	16	219	171	80	30	20
24....	14	14	....	....	....	....	20	223	168	76	31	20
25....	14	13	....	....	....	....	19	208	165	80	31	20
26....	14	14	....	....	*12	....	19	201	159	74	32	22
27....	14	11	....	....	....	....	20	180	153	66	30	23
28....	14	9	....	....	....	....	21	162	150	63	28	21
29....	15	9	....	....	....	....	20	156	153	62	29	20
30....	15	9	....	....	....	....	19	198	153	60	31	22
31....	15	....	....	....	....	....	....	231	....	54	28	....
Total	476	390	232.5	232.5	319	434	538	4059	5856	3329	1060	628
Mean.	15.4	13.0	7.5	7.5	11	14	17.9	131	195	107	34.2	20.9
Max..	20	15	....	....	....	....	23	231	283	190	54	25
Min..	14	9	....	....	....	....	13	19	150	54	25	20
Acre-ft.	944	774	461	461	633	861	1070	8050	11620	6600	2100	1250

Total run-off for period=34,820 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Huerfano River Near Badito, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	14	24	30	41	49	22	20	19	12	22	12	8.2
2....	12	26	38	40	51	16	19	19	7.0	25	12	1.8
3....	7.6	24	38	34	49	15	24	22	21	32	13	1.0
4....	7.6	23	34	32	42	24	26	24	20	24	19	0.8
5....	10	22	36	34	35	17	16	19	20	17	24	0.2
6....	11	25	32	38	42	14	13	19	19	16	13	0.2
7....	9.4	24	26	34	45	17	7.6	29	19	26	14	0.4
8....	9.4	25	25	34	41	19	6.5	22	25	26	16	0.2
9....	8.2	27	28	38	42	22	5.4	26	24	22	24	0.4
10....	8.8	25	31	40	37	22	4.3	25	23	19	20	7.6
11....	11	26	31	39	36	17	3.2	13	25	19	12	11
12....	14	29	34	38	41	19	2.1	16	19	14	11	12
13....	14	32	36	35	36	13	1.0	22	21	11	19	13
14....	12	33	38	42	34	12	1.0	20	21	11	35	13
15....	15	30	38	39	34	13	1.6	16	15	12	34	12
16....	17	30	37	36	30	11	1.6	16	21	18	43	12
17....	31	30	39	34	30	12	1.3	20	22	17	22	14
18....	29	30	39	19	30	14	15	22	23	19	9.4	14
19....	26	32	39	14	30	16	26	19	26	19	7.6	16
20....	25	32	36	45	30	19	30	21	30	18	7.0	17
21....	21	35	38	64	29	15	30	26	32	12	3.4	12
22....	22	35	32	66	29	18	25	24	26	12	1.8	9.4
23....	25	42	36	62	26	16	22	23	22	18	4.9	7.6
24....	26	42	39	53	24	15	26	26	19	8.8	1.5	7.6
25....	23	41	38	48	24	14	27	29	19	78	1.2	7.6
26....	23	34	38	42	26	14	36	29	18	13	0.8	10
27....	25	34	33	44	26	13	26	26	19	5.4	8.8	11
28....	23	34	28	46	25	12	23	27	19	11	1.8	14
29....	23	31	33	44	....	22	19	34	17	12	3.4	13
30....	22	33	38	49	....	30	19	38	26	12	3.4	14
31....	22	....	40	50	....	21	....	29	....	12	11	....
Total	547	910	1078	1274	975	524	477.6	720	630	581.2	409.0	261.0
Mean.	17.6	30.3	34.8	41.1	34.8	16.9	15.9	23.2	21.0	18.7	13.2	8.70
Max...	31	42	40	66	51	30	36	38	32	78	43	17
Min...	7.6	22	25	14	24	11	1.0	13	7.0	5.4	0.8	0.2
Acre-ft.	1080	1800	2140	2530	1930	1040	947	1430	1250	1150	811	518

Total run-off for period=16,630 acre-feet.

Discharge of Huerfano River at Badito, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	15	14	14	22	18	22	12	0.8	340	56	18	21
2....	14	17	16	20	18	19	9.4	3.4	308	72	18	23
3....	14	19	16	21	16	18	6.5	10	261	85	20	23
4....	14	11	17	22	16	16	6.0	7.0	237	122	24	25
5....	14	6.0	19	14	20	11	5.4	4.4	204	199	32	28
6....	14	6.4	20	14	25	9.4	1.2	2.8	189	153	52	24
7....	10	6.8	20	14	38	13	1.5	19	207	164	26	19
8....	6.0	9.0	16	8.4	46	14	0.8	26	173	133	22	18
9....	4.5	13	22	10	36	12	0.5	39	146	119	23	17
10....	2.8	16	29	11	25	10	9.4	50	146	96	29	17
11....	2.3	14	30	9.2	21	6.5	22	52	146	78	28	18
12....	1.3	7.0	27	8.2	24	8.2	21	108	141	72	26	18
13....	0.5	6.5	29	16	25	7.0	16	217	136	67	26	16
14....	0.5	8.8	27	18	26	4.9	11	645	130	67	25	15
15....	0.7	9.2	26	15	28	6.5	2.8	416	120	45	27	14
16....	0.7	6.6	26	15	*29	7.6	4.4	492	128	23	26	14
17....	1.0	3.9	29	14	36	4.4	6.5	520	116	16	25	14
18....	1.3	1.8	30	14	33	4.9	3.4	302	108	19	27	13
19....	1.8	1.3	33	14	36	7.0	11	333	102	24	28	12
20....	2.8	1.8	31	19	29	15	16	302	72	32	27	12
21....	4.4	2.0	33	19	28	11	15	258	72	26	25	12
22....	7.0	4.4	31	17	25	13	15	316	72	30	25	11
23....	12	3.9	28	19	22	15	12	305	70	34	23	12
24....	17	3.4	26	19	20	18	13	274	70	28	23	11
25....	10	3.9	23	19	22	19	7.6	305	69	27	24	10
26....	18	3.9	24	12	*21	17	6.5	223	72	26	22	11
27....	20	11	22	4.4	22	14	1.6	204	70	25	24	10
28....	19	11	25	12	21	10	3.9	160	60	25	18	11
29....	19	12	26	19	20	14	8.2	186	56	17	13	12
30....	12	12	22	15	....	16	1.6	209	60	25	13	8.5
31....	7.6	....	22	18	....	16	....	226	....	23	15	....
Total	267.2	246.6	759	472.2	746	379.4	251.2	6215.4	4091	1928	754	469.5
Mean.	8.62	8.22	24.5	15.2	25.7	12.2	8.37	200	136	62.2	24.3	15.6
Max...	20	19	33	22	46	22	22	645	340	199	52	28
Min...	0.5	1.3	14	4.4	16	4.4	0.5	0.8	56	16	13	8.5
Acre-ft.	530	489	1510	937	1480	753	498	12330	8110	3820	1500	931

Total run-off for period=32,890 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Huerfano River Near Mustang, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	4.0	26	38	41	52	20	9.4	7.8	2.0	0.4	0	0.9
2....	4.0	30	42	39	52	17	9.0	7.8	0.4	0.2	0.1	0.6
3....	4.0	31	48	33	47	16	8.2	7.8	0.2	0.2	0.2	0.9
4....	4.3	25	44	29	38	25	7.8	8.2	0.4	0.2	0.2	0.9
5....	4.0	25	43	39	43	23	7.4	7.8	0.3	0.2	0.5	0.5
6....	4.0	28	40	42	46	22	6.7	7.8	0.3	0.2	1.2	0.5
7....	4.9	26	35	40	44	22	8.6	12	0.4	0.2	0.9	0.4
8....	3.1	25	34	41	44	22	15	7.8	0.3	0.2	0.8	0.4
9....	3.6	24	34	37	42	22	7.0	7.8	0.3	0.2	0.6	0.4
10....	3.1	25	35	40	38	22	5.2	8.2	0.4	0.2	0.5	0.3
11....	2.0	22	35	39	38	21	3.8	4.9	0.3	0.3	0.4	0.2
12....	6.7	28	39	40	43	20	3.1	3.1	0.3	0.3	0.4	0.2
13....	11	32	45	39	42	17	1.5	3.3	0.3	0.2	0.3	0.2
14....	8.6	34	43	39	40	13	1.2	3.3	0.4	0.3	0.2	0.2
15....	19	34	45	36	39	12	1.2	3.6	0.5	0.4	0.2	0.1
16....	13	29	42	32	*36	10	1.4	3.6	0.4	0.4	317	0.1
17....	55	26	41	7.0	32	9.8	1.5	4.0	0.5	0.4	43	0.1
18....	46	25	39	3.2	31	11	5.2	6.4	0.5	0.4	5.2	0.1
19....	34	24	41	3.4	31	9.8	9.4	5.2	0.4	0.4	1.5	0.1
20....	26	26	38	*12	31	17	9.0	3.8	0.4	0.4	2.0	0.1
21....	26	41	41	65	30	17	11	6.7	0.4	0.2	2.7	0.1
22....	30	39	36	60	28	18	11	6.4	0.4	0.3	2.0	0.1
23....	35	40	28	61	27	17	12	11	0.2	0.2	1.4	0.1
24....	39	52	39	59	26	16	13	13	0.2	0.2	1.8	0.2
25....	42	49	40	56	25	15	13	7.0	0.2	2.5	1.4	0.3
26....	40	41	39	54	27	14	19	4.6	0.2	0.3	1.4	0.3
27....	33	42	35	53	28	12	20	5.5	0.2	0.1	3.8	0.4
28....	28	45	38	53	26	11	14	4.3	0.2	0	1.8	0.4
29....	25	42	58	53	....	10	8.6	3.6	0.2	0	1.4	0.4
30....	25	39	44	52	....	9.8	8.2	3.6	0	0.1	1.3	0.8
31....	25	....	39	52	....	9.4	....	3.6	....	0	1.0	....
Total	608.3	975	1238	1249.6	1026	500.8	251.4	193.5	11.2	9.6	395.2	10.3
Mean.	19.6	32.5	39.9	40.3	36.6	16.2	8.38	6.24	37	0.31	12.7	0.34
Max.	55	52	58	65	52	25	20	13	2.0	2.5	317	0.9
Min.	2.0	22	28	3.2	25	9.4	1.2	3.1	0	0	0	0.1
Acre-ft.	1210	1930	2460	2480	2040	993	499	384	22	19	784	20

Total run-off for period=12,840 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Huerfano River Near Mustang, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.0	3.2	6.7	10	62	24	9.4	24	344	36	0.4	0
2....	2.0	1.6	5.5	9.0	52	26	12	26	372	34	0.4	0
3....	1.8	1.8	5.8	9.4	44	22	10	28	407	70	0.4	0
4....	1.6	2.4	6.1	7.4	44	21	7.0	31	407	76	2.6	0.1
5....	2.4	2.6	6.1	*4.8	64	20	6.1	21	312	206	0.5	0.3
6....	3.4	4.3	5.8	4.5	83	8.8	5.8	15	330	110	0	0.1
7....	2.0	4.3	5.8	4.0	121	6.4	5.2	33	306	124	2.9	0.1
8....	1.6	4.6	6.4	3.6	116	7.0	4.6	87	351	118	1.6	0.2
9....	1.6	5.8	4.3	4.2	87	12	4.3	108	324	192	0	0.2
10....	1.4	7.6	2.6	4.8	60	5.8	22	125	318	174	0.1	0.3
11....	1.4	6.4	1.6	4.3	35	5.8	86	152	254	128	0	0.3
12....	1.6	5.8	1.6	5.2	28	4.9	112	147	215	142	0	0.2
13....	1.6	5.8	1.6	10	24	6.1	160	187	156	164	0	0.2
14....	1.4	6.1	1.6	27	23	5.8	200	334	142	65	0.1	0.2
15....	1.2	6.1	1.6	22	23	3.8	125	369	124	25	0.1	0.2
16....	0.9	5.8	1.8	29	*24	4.0	58	494	91	10	0.2	0.2
17....	0.7	5.5	3.0	36	23	6.4	44	414	88	4.0	0	0.2
18....	0.5	4.6	5.2	40	24	8.2	44	398	62	0.4	0	0.2
19....	0.1	4.6	10	*42	26	8.2	44	414	45	3.0	0	0.1
20....	0.1	3.8	20	51	30	9.4	44	414	32	4.0	0	0.1
21....	0.1	3.6	*33	47	32	7.0	44	414	26	4.0	0	0.1
22....	0.1	3.6	23	44	33	11	46	414	21	4.0	0	0
23....	0.1	6.1	20	51	35	12	49	414	28	3.3	0.1	0.1
24....	0.1	6.7	19	52	38	12	49	430	36	2.6	2.2	0.1
25....	0.3	6.4	18	50	33	13	49	430	58	3.6	4.2	0.2
26....	0.3	7.0	20	30	27	13	42	438	41	3.3	40	0.2
27....	3.4	8.8	19	19	24	10	35	393	34	1.9	2.2	0.2
28....	3.4	6.4	17	23	22	11	31	306	32	0.4	0.4	0.2
29....	4.0	8.6	19	31	25	11	31	294	32	0.4	0.2	0.2
30....	3.8	7.6	14	28	....	11	26	264	32	0.5	0	0.2
31....	3.6	....	9.0	43	....	8.8	....	337	....	0.4	0	....
Total	47.5	157.5	314.1	746.2	1260	335.4	1405.4	7955	5020	1709.8	58.6	4.7
Mean.	153	525	10.1	24.1	43.4	10.8	46.8	257	167	55.2	1.89	.16
Max.	4.0	8.8	33	52	121	26	200	494	407	206	40	0.3
Min.	0.1	1.6	1.6	3.6	22	3.8	4.3	15	21	0.4	0	0
Acre-ft.	94	312	623	1480	2500	665	2790	15780	9960	3390	116	9.3

Total run-off for period=37,720 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Huerfano River Below Huerfano Valley Dam Near Undercliffe, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	36	66	66	51	82	47	38	28	5.6	2.5	1.5	3.9
2....	35	66	65	52	93	32	37	27	4.9	3.9	0.6	2.2
3....	36	66	63	48	64	26	35	27	5.3	3.9	0.3	2.5
4....	36	61	60	45	49	28	36	26	4.9	3.2	0.2	3.6
5....	36	61	66	62	49	24	35	24	5.3	2.5	0.2	3.6
6....	35	61	62	81	51	22	41	20	7.4	1.5	9.6	2.9
7....	35	61	66	78	56	44	46	17	6.0	0.3	7.8	2.5
8....	35	60	71	73	51	51	71	14	7.4	2.2	6.5	1.8
9....	35	62	74	72	46	51	58	12	6.5	3.9	6.5	1.7
10....	35	58	81	70	45	61	51	1.7	8.2	2.0	2.9	1.3
11....	36	61	92	72	37	63	43	0.4	7.8	1.7	2.5	0.9
12....	36	63	106	68	38	66	35	13	9.6	2.0	1.3	0.3
13....	41	63	111	65	46	62	27	27	11	3.6	0.4	0.2
14....	41	62	78	78	56	62	20	23	9.6	4.2	0.2	0.2
15....	48	66	63	84	53	59	22	22	7.8	4.2	0	0.1
16....	49	67	70	85	46	53	23	22	7.4	3.6	156	0.2
17....	88	71	86	92	36	52	25	25	9.1	4.2	233	0.2
18....	79	76	93	52	58	50	26	25	7.8	3.6	9.2	0.2
19....	66	76	110	25	54	49	31	22	5.6	3.9	6.8	0.2
20....	73	74	99	80	59	47	30	26	5.6	3.9	5.6	0.2
21....	76	76	103	148	50	45	29	25	4.6	3.6	6.0	0.2
22....	77	79	85	142	53	46	28	15	6.0	3.9	4.4	0.2
23....	82	79	77	130	55	47	28	6.9	4.2	3.9	4.4	0.2
24....	79	85	78	110	55	46	28	6.0	3.6	3.6	1.7	0.2
25....	78	85	78	105	43	41	27	2.5	3.2	5.6	1.0	0.2
26....	76	84	73	106	42	41	16	2.5	3.6	5.6	1.5	0.2
27....	76	67	70	106	41	41	22	2.9	3.6	6.5	1.8	0.2
28....	72	63	67	108	40	41	30	2.9	4.2	6.0	2.2	0.2
29....	72	72	67	108	....	43	28	3.2	3.2	5.3	8.8	0.2
30....	67	63	64	110	....	41	27	5.6	2.9	4.2	11	0.2
31....	67	....	53	98	....	40	....	6.5	....	1.7	8.8	....
Total	1733	2054	2397	2604	1448	1421	993	481.1	181.9	110.7	501.7	30.7
Mean	55.9	68.5	77.3	84.0	51.7	45.8	33.1	15.6	6.06	3.57	16.2	1.02
Max...	88	85	111	148	93	66	71	28	11	6.5	233	3.9
Min...	35	58	53	25	36	22	16	0.4	2.9	0.3	0	1.0
Acre-ft.	3440	4070	4750	5160	2870	2820	1970	954	361	220	995	61

Total run-off for period=27,670 acre-feet.

Discharge of Huerfano River Below Huerfano Valley Dam Near Undercliffe, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.2	0.3	0.3	14	4.6	11	13	90	554	76	2.2	4.6
2....	0.2	0.3	1.5	11	7.2	14	18	124	506	74	0.9	4.9
3....	0.2	0.3	4.2	*12	*11	14	14	130	672	90	1.1	6.0
4....	0.3	0.3	3.9	15	11	16	8.7	169	794	120	1.3	6.0
5....	0.3	0.3	3.9	10	7.4	11	9.6	205	604	175	6.5	7.8
6....	0.3	0.4	4.9	*8.0	2.5	9.1	17	245	538	121	3.2	9.6
7....	0.3	0.3	7.4	6.0	1.8	4.6	22	288	400	50	3.2	6.9
8....	0.3	0.4	7.8	5.0	5.3	5.3	22	288	430	39	3.6	4.9
9....	0.4	0.4	7.2	5.5	6.9	5.6	23	255	350	36	4.6	3.6
10....	0.3	0.4	5.6	6.5	5.3	4.2	29	255	157	48	6.9	5.3
11....	0.3	0.4	4.3	5.8	4.6	3.9	40	98	139	46	5.6	5.3
12....	0.3	0.4	3.4	4.6	5.0	1.1	55	98	145	45	3.9	5.6
13....	0.2	0.4	*2.7	4.0	5.6	0.6	45	185	139	63	3.2	5.6
14....	0.2	0.4	2.6	12	6.8	0.8	36	302	195	28	0.9	6.0
15....	0.2	0.3	2.5	11	*9.6	0.8	24	538	157	30	1.7	6.9
16....	0.2	0.3	2.6	14	15	0.6	16	410	195	33	4.6	4.9
17....	0.2	0.3	3.2	*16	12	0.3	16	302	127	37	3.2	6.0
18....	0.2	0.3	4.5	12	*13	0.6	25	127	71	35	4.6	5.6
19....	0.3	0.2	6.6	12	15	4.9	24	157	36	61	6.5	7.4
20....	0.3	0.2	6.4	13	13	4.2	31	169	25	5.3	9.6	3.6
21....	0.3	0.3	9.6	*3.2	14	4.9	32	225	21	5.3	13	3.6
22....	0.3	0.2	*17	3.0	14	4.6	33	265	32	8.7	11	4.2
23....	0.3	0.2	15	2.8	14	14	35	329	71	11	13	4.6
24....	0.2	0.3	12	2.7	7.4	9.6	42	316	88	14	20	4.9
25....	0.2	0.4	10	2.7	8.2	13	35	538	195	29	26	4.2
26....	0.2	0.3	11	2.7	11	14	31	689	28	22	43	3.9
27....	0.3	0.3	10	2.7	9.6	7.4	38	604	40	13	16	4.2
28....	0.2	0.3	11	3.5	8.2	21	47	490	52	6.0	4.9	2.9
29....	0.2	0.3	13	4.7	11	17	63	655	215	0.9	4.6	4.2
30....	0.3	0.3	12	4.4	....	18	85	655	80	1.5	3.2	4.9
31....	0.3	....	10	4.1	....	15	....	621	....	1.7	3.9	....
Total	8.0	9.5	216.1	233.9	260.0	251.1	929.3	9822	7056	1325.4	235.9	158.1
Mean	0.27	0.32	6.97	7.55	8.97	8.10	31.0	317	235	42.8	7.61	5.27
Max...	0.4	0.4	17	16	15	21	85	689	794	175	43	4.6
Min...	0.2	0.2	0.3	2.7	1.8	0.3	8.7	90	21	0.9	0.9	2.9
Acre-ft.	16	19	429	464	516	498	1840	19480	14000	2630	468	314

Total run-off for period=40,670 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Cucharas River Near La Veta, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	8.8	9.1	11	11	8.5	9.0	13	39	34	20	8.2	11
2....	9.1	8.8	10	10	8.5	6.0	14	40	36	17	7.3	9.4
3....	9.4	9.1	9.4	9.5	8.8	7.0	14	43	37	16	8.5	8.8
4....	8.8	9.7	15	9.0	8.0	9.0	15	47	37	15	12	8.5
5....	8.5	9.1	10	9.5	7.5	7.5	14	44	35	14	12	7.9
6....	8.8	9.7	9.5	10	8.5	7.0	15	42	33	13	10	7.9
7....	9.1	9.7	9.0	10	12	7.5	16	45	29	14	8.8	7.3
8....	8.8	9.1	8.6	9.5	7.9	7.6	15	44	29	14	8.2	7.9
9....	9.1	8.5	9.2	9.0	8.2	8.5	13	55	29	13	13	7.9
10....	9.7	8.5	10	11	7.0	9.7	12	49	28	13	15	7.3
11....	9.1	8.5	11	9.7	8.0	8.8	11	43	27	12	13	7.0
12....	9.4	7.9	9.7	11	14	8.5	10	43	26	11	9.7	6.5
13....	11	7.6	9.1	12	11	8.5	10	43	27	11	9.4	7.6
14....	9.7	8.2	8.5	7.9	9.1	8.2	12	39	24	12	11	7.0
15....	11	7.9	7.3	7.9	8.8	8.2	13	38	22	13	11	7.3
16....	11	7.6	7.9	8.5	10	7.5	13	36	23	11	11	8.5
17....	18	6.2	8.8	8.0	11	7.0	13	36	22	11	16	6.8
18....	17	9.1	9.1	7.5	11	7.5	15	38	20	11	17	6.8
19....	17	8.2	12	7.0	9.7	8.0	15	36	20	11	12	7.0
20....	16	8.2	13	10	9.7	10	17	34	20	10	10	7.0
21....	15	9.0	10	12	11	11	20	32	18	10	11	6.2
22....	14	10	14	13	9.1	7.6	22	29	18	12	12	6.2
23....	14	11	10	10	9.4	7.0	23	27	17	12	9.4	6.2
24....	12	9.7	9.4	9.4	9.1	7.9	27	28	17	11	9.7	6.0
25....	13	9.1	9.4	8.5	8.8	8.2	30	29	17	12	11	6.0
26....	11	12	9.4	8.5	9.1	8.8	32	29	17	10	11	6.0
27....	11	9.4	8.0	8.5	9.1	12	32	29	17	9.1	14	6.2
28....	11	9.1	7.0	8.5	9.7	13	33	30	20	9.1	12	7.0
29....	11	9.1	9.0	9.0	....	17	33	32	21	8.2	12	7.3
30....	9.4	8.2	10	8.8	....	16	36	30	22	8.8	10	7.9
31....	9.4	....	11	8.5	....	13	....	33	....	9.1	12	....
Total	350.1	267.3	305.3	292.7	262.5	282.5	558	1162	742	373.3	347.2	220.4
Mean	11.3	8.91	9.85	9.44	9.38	9.11	18.6	37.5	24.7	12.0	11.2	7.35
Max.	18	12	15	13	14	17	36	55	37	30	17	11
Min.	8.5	6.2	7.0	7.0	7.0	6.0	10	27	17	8.2	7.3	6.0
Acre-ft.	694	530	606	581	521	560	1110	2300	1470	740	689	437

Total run-off for period=10,240 acre-feet.

Discharge of Cucharas River at Boyd Ranch Near La Veta, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	8.8	7.0	7.3	6.8	6.8	6.8	8.2	66	255	68	19	11
2....	8.5	6.8	7.0	7.2	6.8	7.3	10	67	235	65	18	10
3....	7.9	7.6	7.0	7.0	7.3	7.3	7.6	54	214	68	17	10
4....	7.3	7.0	7.6	6.7	6.5	6.8	10	45	171	68	16	9.8
5....	7.0	7.0	7.0	*6.5	6.2	6.2	14	49	151	75	17	30
6....	7.3	7.0	7.0	6.8	6.0	5.6	16	66	150	67	17	13
7....	7.0	6.0	7.0	6.3	6.2	5.6	16	98	151	63	16	11
8....	5.8	6.0	7.3	6.0	6.8	5.7	17	121	149	62	15	8.7
9....	5.5	6.2	6.7	6.2	6.8	5.9	18	135	150	58	16	8.7
10....	5.5	6.6	6.6	6.2	6.5	6.2	15	155	150	56	17	13
11....	5.0	7.6	6.5	6.0	6.0	6.5	33	153	150	55	16	14
12....	6.8	7.0	6.3	6.2	6.4	6.5	22	179	147	53	15	13
13....	6.5	7.3	6.2	6.2	6.2	6.8	20	186	142	49	14	13
14....	6.0	7.3	6.3	6.5	6.2	7.0	17	216	133	42	14	11
15....	5.8	6.8	6.8	6.8	6.4	6.8	16	263	128	38	14	11
16....	5.5	6.8	6.6	7.0	6.5	8.5	17	283	122	36	16	11
17....	5.8	6.8	6.8	6.8	6.5	7.6	16	223	119	32	15	10
18....	5.8	7.0	7.0	6.5	6.2	7.9	16	175	108	32	15	9.4
19....	6.5	6.8	7.0	7.0	7.0	7.0	22	168	106	33	15	9.4
20....	6.5	7.0	6.5	7.0	6.8	7.9	20	177	106	35	14	9.0
21....	6.2	6.8	7.3	6.8	5.8	7.9	20	171	106	34	16	8.7
22....	6.2	7.0	7.6	6.8	8.8	8.0	17	174	105	30	15	8.1
23....	6.5	7.6	8.2	6.2	7.3	9.1	27	189	100	27	14	9.8
24....	8.2	8.2	6.8	6.0	7.6	6.5	23	198	97	27	15	9.8
25....	7.6	7.3	8.8	6.5	6.0	7.0	32	189	93	26	14	9.4
26....	7.9	5.0	7.0	6.0	7.0	6.5	38	182	90	25	14	11
27....	7.6	4.7	6.7	5.7	7.3	6.5	54	191	89	24	14	11
28....	8.3	5.4	6.2	5.8	8.2	8.2	65	220	85	22	13	11
29....	10	6.2	6.6	6.4	7.0	9.7	56	242	79	21	12	9.8
30....	8.8	7.0	6.2	6.2	....	7.6	55	274	69	20	13	8.7
31....	7.6	....	6.5	6.4	....	7.0	....	290	....	19	12	....
Total	216.2	202.8	214.4	200.5	195.1	219.9	717.8	5199	3956	1330	468	333.3
Mean	6.97	6.76	6.92	6.47	6.73	7.09	23.9	168	132	42.9	15.1	11.1
Max.	10	8.2	8.8	7.2	8.8	9.7	65	290	255	75	19	30
Min.	5.0	4.7	6.2	5.7	5.8	5.6	7.6	45	69	13	12	8.1
Acre-ft.	429	402	425	398	387	436	1420	10310	7850	2640	928	661

Total run-off for period=26,290 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Apishapa River Near Aguilar, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	6.5	19	8.7	11	5.6	4.4	4.9	0.7	0.1	0.4	0.4	1.9
2....	4.4	18	8.7	12	5.6	3.7	4.9	0.8	0.1	0.3	0.5	2.0
3....	4.6	16	8.4	10	4.8	3.5	4.6	0.9	0.2	0.3	0.1	2.0
4....	5.1	15	7.4	7.6	5.1	5.2	4.6	1.0	0.4	0.3	11	2.4
5....	4.3	14	7.6	10	5.1	4.6	4.8	1.0	0.4	0.3	53	1.6
6....	5.1	15	7.9	10	5.2	4.1	5.2	1.3	0.7	0.9	13	1.2
7....	4.6	14	7.6	8.2	6.5	4.4	5.6	1.5	0.4	0.7	1.4	1.2
8....	4.3	14	10	9.0	6.7	3.7	8.2	1.5	0.2	1.9	1.5	1.2
9....	4.8	15	14	10	6.7	3.4	4.9	1.9	0.5	2.3	9.0	1.2
10....	5.1	15	11	10	5.4	3.4	4.1	1.6	0.6	1.2	12	1.2
11....	5.4	14	11	9.6	5.2	3.5	4.0	0.8	0.4	0.6	2.0	1.2
12....	5.4	13	12	9.3	6.1	3.5	4.0	0.7	0.2	0.3	2.1	1.4
13....	6.5	13	13	9.6	6.7	3.1	3.8	0.7	0.2	0.2	2.2	1.4
14....	5.6	13	11	10	7.2	3.5	3.2	0.6	0.2	0.1	2.1	1.4
15....	7.6	13	10	8.7	6.1	3.7	2.8	0.5	0.4	0.3	23	1.0
16....	7.4	11	9.0	4.8	6.1	3.1	3.1	0.4	0.7	0.3	180	0.8
17....	44	11	8.2	4.0	5.4	3.1	3.0	0.4	0.6	0.1	33	0.7
18....	27	11	7.2	3.4	5.8	3.6	3.1	0.6	0.6	0.1	12	0.7
19....	15	10	6.7	3.0	4.8	3.5	2.6	1.1	0.6	0.2	6.6	0.5
20....	13	9.6	6.7	9.0	4.8	3.7	2.2	1.1	0.5	0.6	4.9	0.4
21....	13	9.8	6.9	16	4.8	3.1	2.2	1.4	0.4	0.5	4.0	0.4
22....	13	9.0	5.8	14	4.8	3.7	2.1	1.2	0.3	0.6	3.7	0.4
23....	14	9.8	6.3	11	4.6	3.5	1.9	0.7	0.3	0.7	3.8	0.4
24....	14	9.8	5.4	9.0	4.4	3.8	1.8	0.6	0.3	0.7	3.6	0.4
25....	14	9.3	5.8	7.2	4.0	3.7	1.5	0.4	0.3	0.4	0.8	0.3
26....	15	9.0	6.5	5.4	4.3	4.0	1.3	0.4	0.3	0.1	1.5	0.3
27....	16	8.7	5.6	4.9	4.0	4.0	1.0	0.4	0.2	0.0	118	0.3
28....	20	8.4	5.2	5.2	4.1	4.3	0.7	0.3	1.0	0.3	93	0.4
29....	23	8.7	6.5	5.4	....	4.6	0.7	0.2	0.6	0.3	1.6	0.5
30....	21	7.9	8.0	4.6	....	4.8	0.7	0.2	0.9	0.4	1.7	0.7
31....	20	....	10	5.2	....	4.8	....	0.1	....	0.4	1.8	....
Total	368.7	364.0	258.1	257.1	149.9	119.0	97.5	25.0	12.6	15.8	603.3	29.5
Mean.	11.9	12.1	8.33	8.29	5.35	3.84	3.25	0.81	0.42	0.51	19.5	0.98
Max..	44	19	14	16	7.2	5.2	8.2	1.9	1.0	2.3	180	2.4
Min..	4.3	7.9	5.2	3.0	4.0	3.1	0.7	0.1	0.1	0.0	0.1	0.3
Acre-ft.	731	722	512	510	297	236	193	50	25	31	1200	59

Total run-off for period=4,570 acre-feet.

Discharge of Apishapa River Near Aguilar, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.6	0.4	0.6	0.3	1.1	3.3	6.0	62	139	3.8	2.3	1.3
2....	0.6	0.4	0.6	0.4	1.2	1.6	4.7	64	108	3.8	1.8	1.0
3....	0.6	0.4	0.9	0.5	*1.2	0.2	4.0	67	94	4.2	1.8	1.1
4....	0.6	0.5	0.9	0.5	1.3	1.9	3.3	66	72	4.6	1.8	1.0
5....	0.6	0.4	0.5	*0.6	1.5	0.6	3.3	66	46	3.8	2.0	204
6....	0.9	0.4	0.5	0.6	1.8	0.5	3.9	62	38	3.0	2.2	10
7....	0.9	0.4	0.5	0.5	2.0	3.7	4.7	40	34	3.2	2.4	4.4
8....	1.2	0.4	0.5	0.5	1.7	8.4	5.6	66	31	3.8	2.7	1.5
9....	1.3	0.4	0.4	0.6	1.5	14	7.4	98	29	3.7	2.8	1.5
10....	1.3	0.2	0.4	0.8	1.4	7.4	9.8	59	26	3.8	2.0	1.5
11....	1.4	0.4	0.5	1.0	1.4	4.1	22	40	28	3.7	1.9	1.5
12....	1.7	0.5	0.5	1.1	1.6	1.9	28	62	28	228	1.8	1.4
13....	1.7	0.6	0.6	1.3	2.2	1.2	26	117	22	48	1.8	1.4
14....	1.4	0.9	0.5	1.6	2.4	1.4	24	94	19	5.2	1.7	1.3
15....	1.3	0.7	0.3	1.3	3.0	1.3	21	81	18	198	1.7	1.3
16....	1.3	0.6	0.4	1.6	*4.5	0.4	21	92	13	35	1.5	1.2
17....	1.2	0.6	0.4	2.1	4.0	3.5	20	128	9.5	22	1.5	1.0
18....	1.0	0.6	0.5	2.1	3.7	3.5	21	88	8.0	5.5	3.1	1.0
19....	1.0	0.6	0.3	2.4	4.0	5.8	21	77	7.5	7.2	3.6	1.0
20....	0.7	0.6	0.5	2.2	4.4	7.4	18	74	6.6	7.4	2.5	1.0
21....	0.7	0.5	0.4	1.7	5.0	6.0	20	69	6.2	8.3	2.2	1.0
22....	0.6	0.5	0.5	1.6	5.3	5.6	33	59	5.4	7.0	1.6	1.0
23....	0.7	0.6	0.5	2.2	5.6	7.0	49	55	5.0	6.4	1.5	1.0
24....	0.7	0.5	0.5	2.4	5.4	8.4	79	52	5.8	5.8	1.3	1.0
25....	0.6	0.5	0.5	2.2	5.2	10	70	55	8.0	5.5	1.0	1.2
26....	0.6	0.6	0.4	2.0	*4.6	8.2	69	62	5.0	5.5	7.2	0.9
27....	0.6	0.6	0.6	1.5	3.0	6.2	62	86	4.2	4.9	1.4	1.2
28....	0.5	0.7	0.6	1.1	3.2	5.0	56	110	3.8	4.0	1.2	1.5
29....	0.5	0.9	0.6	1.2	3.3	5.8	59	119	4.2	3.7	1.2	1.4
30....	0.4	0.9	0.5	1.1	....	7.0	62	119	4.2	3.1	2.1	1.3
31....	0.4	....	0.3	1.1	....	7.4	....	173	....	2.5	1.8	....
Total	27.6	16.3	15.7	40.1	86.5	148.7	833.7	2462	828.4	654.4	130.2	250.9
Mean.	.89	.54	.51	1.29	2.98	4.80	27.8	79.4	27.6	21.1	4.20	8.36
Max..	1.7	0.9	0.9	2.4	5.6	14	79	173	139	228	7.2	204
Min..	0.4	0.2	0.3	0.3	1.1	0.2	3.3	40	3.8	2.5	1.0	0.9
Acre-ft.	55	32	31	80	172	295	1650	4880	1640	1300	258	498

Total run-off for period=10,890 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Apishapa River Near White Rock, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.2	8.8	0.2	6.7	1.0	0	0	0	0	0	0	2.4
2....	0.2	8.8	0	1.0	1.0	0.1	0	0	0	0	0	0.7
3....	0.2	8.8	0.2	3.8	1.3	0	0	0	0	0	1.0	0.4
4....	0.2	7.8	0.2	1.7	0.4	0.6	0	0	0	0	0	0.4
5....	0.2	8.3	0.1	2.0	0.1	0.2	0	0	0	0	0	0.4
6....	0.2	7.8	0.1	0.4	0.1	0	0	0	0	0	162	0
7....	0.2	8.8	0.2	0.7	0.1	0.1	0	0	0	0	8.3	0
8....	0.2	8.8	0.1	0.7	0	0	0	0	0	0	0	0
9....	0.2	7.8	0.1	1.0	0	0	0	0	0	13	0	0
10....	0.4	9.4	1.7	1.0	0	0	0	0	0	0.7	0	0
11....	0.7	7.8	1.7	1.0	0	0	0	0	0	0	0	0
12....	1.0	7.2	1.7	1.0	0.7	0	0	0	0	0	0	0
13....	10	6.7	2.0	0.7	0.7	0	0	0	0	0	0	0
14....	17	6.2	1.7	1.3	0.4	0	0	0	0	0	0	0
15....	26	6.2	2.0	1.0	0.7	0	0	0	0	0	0	0
16....	39	7.2	1.7	0.2	1.0	0	0	0	0	0	94	0
17....	494	6.7	1.7	0	1.0	0	0	0	0	0	494	0
18....	516	3.8	1.3	0	0.4	0	0	0	0	0	58	0
19....	111	4.2	1.7	0	0.2	0	0	0	0	0	24	0
20....	42	5.2	1.3	0.1	0	0	0	0	0	0	15	0
21....	16	7.2	1.7	2.4	0	0	0	0	0	0	18	0
22....	12	2.0	1.3	2.0	0	0	0	0	0	0	5.7	0
23....	12	1.7	0.7	2.4	0	0	0	0	0	0	1.7	0
24....	11	1.0	1.0	2.0	0	0	0	0	0	0	0	0
25....	13	3.8	2.0	1.7	0	0	0	0	0	0	70	0
26....	11	3.3	0.7	1.3	0	0	0	0	0	0	22	0
27....	10	2.4	0.1	1.3	0	0	0	0	0	0	1.7	0
28....	11	1.0	0.2	1.3	0	0	0	0	0	0	15	0
29....	11	1.7	7.8	1.3	....	0	0	0	0	0	22	0
30....	11	0.2	6.7	1.3	....	0	0	0	0	0	7.8	0
31....	11	....	6.7	1.0	....	0	....	0	....	0	5.2	....
Total	1387.9	170.6	48.6	51.3	9.1	1.0	....	0	....	13.7	1025.4	4.3
Mean...	44.8	5.69	1.57	1.65	0.32	0.03	0	0	0	0.44	33.1	0.14
Max...	516	9.4	7.8	10	1.3	0.6	0	0	0	13	494	2.4
Min...	0.2	0.2	0	0	0	0	0	0	0	0	0	0
Acre-ft.	2750	338	96	162	18	2.0	0	0	0	27	2030	8.5

Total run-off for period=5,372 acre-feet.

Discharge of Apishapa River Near White Rock, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0	0	0	0	0.3	0	0	10	138	0	0	0.1
2....	0	0	0	0	0.3	0	0	11	107	0	0	0.1
3....	0	0	0	0	0.3	0	0	12	100	0	0	0.1
4....	0	0	0	0	0.3	0	0	13	82	0	0	0.1
5....	0	0	0	0	0.3	0	0	14	53	0	0	0.1
6....	0	0	0	0	0.3	0	0	13	46	0	0	0.1
7....	0	0	0	0	0.3	0	0	14	55	0	0	0.1
8....	0	0	0	0	0.3	0	0	16	44	0	0	0.1
9....	0	0	0	0	0.2	0	0	18	34	0	0	0.1
10....	0	0	0	0	0	0	0	21	29	0	94	0.1
11....	0	0	0	0	0.1	0	0.8	22	27	21	20	0.1
12....	0	0	0	0	0.2	0	8.6	20	27	23	10	0
13....	0	0	0	0	0.2	0	12	21	33	93	4.0	0
14....	0	0	0	0	0.2	0	27	22	18	17	2.5	0
15....	0	0	0	0	0.2	0	19	24	6.2	1.2	2.0	0
16....	0	0	0	0	0.1	0	11	24	2.4	0.8	1.5	0
17....	0	0	0	0	0.1	0	9	20	1.4	0.9	1.1	0
18....	0	0	0	0	0.1	0	9	15	0	0.8	1.0	0
19....	0	0	0	0	0.2	0.8	9	51	0	720	60	0
20....	0	0	0	0.3	0.2	2.4	9	61	0	100	30	0
21....	0	0	0	0.2	0.2	2.2	9	18	0	10	5.0	0
22....	0	0	0	0.2	0.1	2.0	10	2.8	0	2.0	1.2	0
23....	0	0	0	0.3	0	1.5	11	1.0	0	1.5	0.1	0
24....	0	0	0	0.3	0	0	11	0.6	0	1.2	0.1	0
25....	0	0	0	0.3	0	0.5	11	0.4	0	1.0	0.1	0
26....	0	0	0	0.1	0	1.5	11	0.4	0	0.8	0.1	0
27....	0	0	0	0	0	0	10	4.8	0	0.6	0.1	0
28....	0	0	0	0.1	0	0.4	10	198	0	0.3	0.1	0
29....	0	0	0	0.2	0	0	9	230	0	0.1	0.1	0
30....	0	0	0	0.1	....	0	9	163	0	0.1	0.1	0
31....	0	....	0	0.2	....	....	....	126	....	0.1	0.1	....
Total	0	0	0	2.3	4.5	11.3	215.4	1167.0	803.0	995.4	233.2	1.1
Mean...	0	0	0	.07	.16	.36	7.18	37.6	26.8	32.1	7.52	.04
Max...	0	0	0	0.3	0.3	2.4	27	230	138	720	94	0
Min...	0	0	0	0	0	0	0	0.4	0	0	0	0
Acre-ft.	0	0	0	4.6	8.9	22	427	2310	1590	1970	463	2.2

Total run-off for period=6,800 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Apishapa River Near Fowler, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	23	41	49	6.5	47	59	11	1.4	13	2.2	3.6	21
2....	31	37	44	5.8	34	57	11	3.6	11	3.6	7.3	6.5
3....	23	40	40	7.3	40	55	2.9	0.7	21	5.1	2.9	2.2
4....	23	38	38	4.4	31	54	7.3	1.4	22	2.9	2.2	1.4
5....	26	38	38	3.6	18	46	0.7	12	26	2.2	2.2	2.2
6....	26	37	36	5.8	11	46	0.7	2.9	18	2.9	4.5	2.9
7....	29	40	33	8.8	4.4	37	2.9	22	12	2.9	3.6	2.9
8....	31	37	33	8.0	4.4	7.3	5.1	32	22	2.9	1.6	5.1
9....	29	36	34	8.8	3.6	38	2.2	15	21	2.9	3.6	7.3
10....	29	34	37	11	6.5	29	1.4	15	26	7.3	2.2	3.6
11....	27	11	36	11	43	36	1.4	36	38	7.3	2.2	2.2
12....	26	8.0	32	11	54	38	0.7	20	25	8.0	1.4	0.7
13....	25	25	4.4	9.7	55	40	2.2	26	2.2	8.0	0.7	0.7
14....	25	26	1.4	9.7	54	44	6.5	31	11	8.0	0.6	0.6
15....	37	32	13	8.8	51	49	2.9	22	7.3	9.7	38	0.6
16....	40	32	14	9.7	52	59	0.5	15	5.8	3.6	28	1.4
17....	365	31	12	11	66	61	0.5	13	5.1	0.6	991	0.7
18....	996	36	11	11	62	62	1.4	11	2.9	0.6	111	1.4
19....	150	36	11	9.7	83	95	0.7	23	2.2	0.7	57	1.4
20....	75	33	8.0	9.7	111	61	0.6	31	2.9	0.7	29	2.9
21....	64	32	9.7	9.7	81	61	0.4	33	1.4	1.4	21	2.2
22....	57	36	9.7	11	51	52	0.4	37	0.7	1.4	19	2.2
23....	47	38	11	26	57	46	0.4	47	0.7	1.4	11	4.4
24....	49	40	11	31	55	46	0.4	47	0.7	1.4	5.1	4.4
25....	47	40	11	7.3	47	36	0.4	28	0.7	0.7	0.4	2.9
26....	37	40	12	8.8	55	37	1.4	13	2.2	2.9	92	4.4
27....	36	41	11	8.0	59	40	5.8	11	1.4	4.4	21	2.9
28....	38	46	11	6.5	59	33	2.2	15	1.4	2.2	18	3.6
29....	40	46	11	7.3	....	23	2.9	13	0.6	2.2	34	2.9
30....	40	47	9.7	11	....	12	3.6	1.4	2.2	2.2	43	2.2
31....	41	....	8.8	21	....	7.3	....	6.5	....	2.9	27	....
Total	2532	1054	640.7	318.9	1294.9	1366.6	80.5	585.9	306.4	105.2	1671.4	99.8
Mean.	81.7	35.1	20.7	10.3	46.2	44.1	2.68	18.9	10.2	3.97	53.9	3.33
Max.	996	47	49	31	111	95	11	47	38	9.7	991	21
Min.	23	8.0	1.4	3.6	3.6	7.3	0.4	0.7	0.6	0.6	0.4	0.6
Acre-ft.	5020	2090	1270	633	2570	2710	160	1160	608	209	3320	198

Total run-off for period=19,950 acre-feet.

Discharge of Apishapa River Near Fowler, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	3.2	6.5	18	9.1	4.2	4.2	25	28	100	6.5	3.7	2.5
2....	2.5	6.2	17	9.5	4.2	3.4	16	28	100	7.6	3.2	1.5
3....	3.4	4.6	18	8.3	3.4	8.7	11	28	96	9.1	2.7	1.2
4....	4.9	3.7	23	8.7	3.4	21	20	30	160	18	2.7	0.9
5....	3.2	4.6	23	9.5	3.4	24	35	22	125	19	5.6	2.2
6....	2.5	3.7	25	9.1	8.3	26	30	16	75	18	8.3	2.3
7....	2.2	4.6	23	9.1	16	27	16	11	76	95	6.2	1.1
8....	2.2	6.2	28	11	28	27	14	85	95	33	5.6	3.7
9....	2.0	9.5	31	11	22	25	8.0	98	53	16	4.2	3.2
10....	1.5	18	30	9.9	25	22	9.1	106	38	22	7.6	2.5
11....	2.7	15	28	9.5	24	20	14	113	42	290	13	2.9
12....	3.9	11	28	8.7	23	23	40	119	39	227	4.9	3.9
13....	3.7	10	27	8.3	21	23	47	122	27	329	3.4	3.9
14....	2.2	10	27	8.0	19	24	48	125	25	95	3.4	2.9
15....	2.2	10	24	7.2	20	28	88	160	32	73	3.4	2.7
16....	2.5	10	20	6.5	19	24	48	134	32	61	3.2	2.9
17....	2.9	5.2	19	6.2	20	22	57	146	35	64	3.2	2.7
18....	3.4	8.0	18	5.6	23	23	50	128	18	68	2.9	2.7
19....	3.4	9.9	16	5.2	25	32	34	113	25	686	2.9	2.2
20....	4.9	9.5	18	5.6	27	13	26	93	19	327	1.9	2.0
21....	2.5	10	19	5.2	32	31	18	83	18	95	1.1	2.0
22....	2.5	10	18	7.2	36	34	33	20	18	170	6.2	2.0
23....	5.2	11	18	8.0	40	24	47	15	16	128	4.2	2.0
24....	11	9.5	16	15	43	27	32	24	15	34	3.4	2.0
25....	6.2	13	13	12	43	30	35	15	9.5	28	2.7	2.0
26....	5.2	7.2	15	13	25	33	35	20	13	24	1.0	2.0
27....	4.9	16	16	14	6.9	32	35	20	8.7	17	1.8	2.0
28....	3.9	20	14	13	5.6	33	36	200	6.5	13	28	2.0
29....	3.7	17	13	11	4.9	32	42	100	6.9	11	13	2.2
30....	3.7	16	12	9.9	....	34	53	200	5.9	8.3	5.2	2.9
31....	3.4	....	13	8.7	....	30	....	100	....	5.6	3.7	....
Total	111.6	295.9	628	283.0	575.3	760.3	1002.1	2502	1329.5	2998.1	214.5	101.6
Mean.	3.60	9.86	20.3	9.13	19.8	24.5	33.4	80.7	44.3	96.7	6.92	3.39
Max.	11	20	31	15	43	34	88	200	160	686	28	23
Min.	1.5	3.7	1.2	5.2	3.4	3.4	8.0	11	5.9	5.6	2.7	0.9
Acre-ft.	221	587	1250	561	1140	1510	1990	4960	2640	5950	425	202

Total run-off for period=21,440 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Timpas Creek Near Rocky Ford, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	76	162	79	47	73	137	12	6.7	10	8.8	13	70
2....	92	162	119	54	76	173	12	7.4	9.5	9.5	12	60
3....	74	150	68	41	74	164	10	7.4	9.5	10	10	21
4....	76	145	41	31	74	159	9.5	10	7.4	7.4	8.8	23
5....	62	137	41	38	64	112	7.4	19	5.6	6.7	10	7.4
6....	52	150	38	41	87	103	6.7	12	6.7	6.0	11	27
7....	47	156	46	45	101	103	16	58	11	6.0	15	33
8....	41	142	46	48	112	98	38	114	8.1	5.6	17	36
9....	32	137	54	54	134	109	22	49	5.6	5.6	20	31
10....	33	134	58	50	129	132	21	101	8.8	16	31	32
11....	33	121	58	46	139	121	23	76	5.6	35	26	46
12....	32	116	56	50	148	182	60	68	4.8	20	20	18
13....	35	105	85	62	124	176	19	68	4.0	9.5	13	64
14....	39	121	79	81	109	166	14	68	4.4	9.5	10	62
15....	76	114	56	90	112	176	14	70	2.4	8.8	11	64
16....	142	103	52	66	121	167	14	9.5	1.4	6.7	68	64
17....	222	112	50	52	134	159	12	96	1.6	6.0	116	58
18....	340	121	72	44	121	139	10	121	3.2	5.6	81	58
19....	235	124	79	40	107	159	17	81	2.0	5.2	103	60
20....	200	112	81	56	126	137	14	81	1.8	5.2	286	14
21....	162	88	74	47	145	112	12	85	2.4	4.8	121	5.6
22....	176	68	76	46	124	126	10	96	2.0	3.6	24	5.2
23....	173	72	74	49	121	103	10	30	3.6	3.6	98	5.6
24....	176	74	68	62	173	119	9.5	79	5.2	4.8	24	6.0
25....	179	42	58	80	164	107	9.5	47	5.2	5.6	31	6.7
26....	179	38	58	72	156	46	9.5	22	3.2	8.1	35	7.4
27....	179	39	58	74	142	30	7.4	22	4.8	9.5	105	7.4
28....	176	49	32	73	139	28	6.7	15	23	11	92	8.1
29....	167	68	35	80	....	16	6.0	14	10	12	60	10
30....	159	62	39	79	....	15	5.6	10	8.1	18	52	9.5
31....	159	....	41	76	....	13	....	12	....	16	54	....
Total	3824	3224	1881	1779	3329	3587	437.8	1555.0	180.9	290.1	1577.8	919.9
Mean.	123	107	60.7	57.4	119	116	14.6	50.2	6.03	9.36	50.9	30.7
Max..	340	162	119	90	173	182	60	121	23	35	286	70
Min..	32	38	32	31	64	13	5.6	6.7	1.4	3.6	8.8	5.2
Acre-ft.	7580	6390	3730	3530	6600	7110	868	3080	359	575	3130	1820

Total run-off for period=44,770 acre-feet.

Discharge of Timpas Creek Near Rocky Ford, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	7.5	40	35	30	58	103	112	81	76	72	2.8	9.8
2....	15	58	67	34	50	92	105	98	94	59	7.0	7.0
3....	81	58	67	37	45	85	94	216	81	61	5.0	4.5
4....	79	63	67	51	44	85	76	170	70	67	4.0	4.0
5....	81	48	50	68	39	90	61	132	63	83	7.0	4.0
6....	76	51	65	*51	37	96	61	103	81	56	19	5.0
7....	76	44	54	35	37	96	61	81	76	48	12	5.0
8....	74	39	42	21	48	121	59	114	76	58	5.5	3.7
9....	72	42	34	25	76	126	61	116	79	46	5.0	4.0
10....	65	56	32	27	98	65	124	116	83	40	5.0	5.0
11....	22	34	42	23	48	67	159	94	79	159	5.0	5.0
12....	18	34	33	19	42	74	197	94	74	126	5.0	5.0
13....	16	51	30	*22	44	74	182	72	68	219	4.7	7.5
14....	17	51	28	32	46	68	145	28	65	52	4.8	7.5
15....	20	52	37	25	45	79	109	81	58	48	4.8	6.5
16....	23	42	56	29	58	79	96	85	53	72	4.3	5.5
17....	22	28	45	31	52	76	145	72	50	85	4.0	5.0
18....	23	23	35	*33	57	79	121	74	48	98	4.0	4.0
19....	27	20	26	32	63	105	121	61	52	132	4.0	4.0
20....	29	22	83	39	65	105	119	42	63	65	5.0	3.7
21....	51	50	42	37	68	52	101	45	76	103	4.5	3.4
22....	74	52	40	36	68	68	167	58	76	70	4.5	3.4
23....	65	44	46	41	70	48	286	51	74	74	6.5	3.3
24....	54	26	52	48	94	19	424	23	72	70	6.5	3.2
25....	48	27	50	54	119	112	280	20	70	59	7.5	3.0
26....	59	38	40	50	101	153	103	39	96	20	8.5	3.2
27....	59	42	67	39	94	94	109	98	79	15	6.5	3.1
28....	44	56	61	37	92	119	129	387	54	12	8.0	3.0
29....	40	61	59	*41	116	132	145	1230	48	11	7.5	7.5
30....	15	52	45	45	....	114	107	167	58	8.0	33	7.0
31....	44	....	31	51	....	103	....	145	....	4.5	11	....
Total	1396.5	1304	1461	1143	1874	2779	4059	4193	2092	2092.5	221.9	145.8
Mean.	45.0	43.5	47.1	36.9	64.6	89.6	135	135	69.7	67.5	7.16	4.86
Max..	81	63	83	68	119	153	424	1230	96	219	33	9.8
Min..	7.5	20	26	19	37	19	59	20	48	4.5	2.8	3.0
Acre-ft.	2770	2590	2900	2270	3720	5510	8050	8320	4150	4150	440	289

Total run-off for period=45,160 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Horse Creek Near Sugar City, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.2	0.9	5.5	0.4	1.0	0.3	3.6	6.6	0.4	0.9	0.2	1.5
2....	0.4	0.5	4.4	0.4	0.8	0.3	3.6	7.7	0.4	1.3	0.3	2.0
3....	0.4	1.7	2.8	0.9	0.6	0.2	4.4	7.2	0.9	1.3	0.4	2.0
4....	0.2	1.7	0.5	0.5	0.4	0.4	4.0	7.2	1.3	0.9	0.4	2.0
5....	0.2	2.1	0.4	0.4	0.2	0.4	2.1	7.2	1.3	0.5	0.4	2.0
6....	0.2	2.4	0.4	0.2	0.1	0.4	0.4	4.4	0.9	0.5	0.5	1.8
7....	0.2	2.4	0.4	0.5	0.4	0.4	0.4	5.0	0.9	0.9	0.4	2.0
8....	0.1	3.2	0.4	0.3	0.4	0.4	0.4	0.4	1.3	2.4	0.5	2.0
9....	0.2	1.7	0.5	0.5	0.4	0.4	2.1	1.3	2.4	1.7	0.5	1.8
10....	0.3	1.3	0.9	0.5	0.2	0.3	1.7	0.4	4.0	0.9	1.3	1.8
11....	0.4	1.7	0.9	0.5	0.4	0.4	0.4	0.4	3.6	0.5	2.4	1.6
12....	0.4	1.3	0.9	0.4	0.4	0.3	0.2	0.2	2.1	0.4	1.3	1.2
13....	2.1	1.3	0.4	0.4	0.3	0.2	1.7	0.2	1.3	0.4	0.9	1.2
14....	0.4	1.7	0.4	0.3	0.2	0.2	2.1	0.2	0.9	0.4	0.4	1.1
15....	3.6	1.3	0.4	0.4	0.2	0.2	0.4	0.2	1.3	1.3	4.9	1.0
16....	3.2	1.7	0.4	0.4	0.2	0.2	0.9	0.2	1.3	2.1	4.0	0.8
17....	6.0	2.1	0.4	0.2	0.2	0.2	0.9	0.1	0.9	2.4	6.6	0.8
18....	7.7	2.4	0.4	0.2	0.2	0.2	0.4	0.2	0.5	1.7	3.1	0.8
19....	11	2.8	0.4	0.2	0.2	0.4	0.4	0.2	0.5	0.4	1.8	0.8
20....	7.2	2.8	0.4	0.2	0.2	0.2	2.1	0.2	0.5	0.4	1.4	0.7
21....	2.8	4.4	0.4	0.2	0.2	0.2	2.4	0.2	0.4	0.4	1.2	0.7
22....	0.4	5.0	0.4	0.2	0.2	0.4	1.3	0.2	1.3	0.4	1.0	0.7
23....	0.9	5.5	0.4	0.2	0.2	0.4	1.3	0.2	0.9	1.7	0.8	0.6
24....	2.1	4.4	0.3	0.4	0.2	0.4	0.9	0.2	0.5	1.7	1.0	0.6
25....	1.7	3.6	0.3	0.4	0.2	0.4	0.9	0.2	0.4	1.3	1.0	0.7
26....	0.4	4.0	0.2	0.4	0.2	0.4	0.5	0.5	0.3	2.1	0.8	0.8
27....	0.4	4.0	0.1	1.3	0.4	0.5	0.4	0.4	0.3	2.1	0.8	0.8
28....	0.4	4.0	0.2	1.3	0.4	0.5	0.5	0.3	0.2	1.7	0.8	0.7
29....	0.4	4.0	0.4	0.9	....	0.5	0.5	0.4	0.4	0.4	1.0	1.0
30....	0.4	4.4	0.4	1.3	....	0.9	3.2	0.5	0.5	0.4	1.0	0.7
31....	0.9	....	0.4	1.3	....	1.7	....	0.5	....	0.3	1.1	....
Total	55.2	80.3	24.7	15.7	9.0	12.3	44.1	53.1	31.9	33.8	122.3	36.2
Mean.	1.78	2.68	0.80	0.51	0.32	0.40	1.47	1.71	1.06	1.09	3.95	1.21
Max..	11	5.5	5.5	1.3	1.0	1.7	4.4	7.7	4.0	2.4	4.9	2.0
Min..	0.1	0.5	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.3	0.2	0.6
Acre-ft.	109	159	49	31	18	24	87	105	63	67	243	72

Total run-off for period=1,030 acre-feet.

Discharge of Horse Creek Near Sugar City, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.8	0.6	0.4	0.6	0.7	0.3	1.0	4.7	3.8	4.0	1.0	1.3
2....	0.9	0.6	0.4	0.6	0.6	0.3	1.0	4.4	3.6	1.3	1.2	1.5
3....	1.0	0.5	0.4	0.6	0.6	0.3	0.7	4.0	3.1	0.8	1.2	1.5
4....	1.2	0.6	0.3	0.6	0.6	0.2	0.6	3.6	3.1	2.0	1.3	1.9
5....	1.0	0.6	0.4	0.5	0.8	0.4	0.6	3.4	2.9	1.0	1.5	2.2
6....	0.8	0.6	0.3	0.5	0.8	0.3	0.6	2.7	4.0	1.2	1.6	2.2
7....	0.9	0.7	0.4	4.0	0.8	0.3	0.6	1.7	3.8	2.7	1.6	2.2
8....	0.8	0.7	0.4	4.0	0.8	0.4	1.0	1.3	4.4	3.8	1.7	1.9
9....	0.9	0.7	0.4	3.8	0.8	0.4	2.3	1.0	4.0	2.7	2.2	1.5
10....	0.8	0.6	0.3	3.6	1.2	0.4	14	0.8	2.9	2.9	2.5	1.3
11....	0.7	0.6	0.3	3.1	0.6	0.3	49	0.7	2.3	4.0	2.7	1.3
12....	0.6	0.5	0.3	2.2	0.6	0.3	55	0.7	2.5	2.7	1.9	1.3
13....	0.7	0.5	0.3	0.7	0.8	0.4	10	0.7	2.5	3.1	1.3	1.3
14....	0.8	0.5	0.4	0.6	0.5	0.3	5.7	0.9	2.5	1.5	1.0	1.5
15....	0.8	0.5	0.4	0.4	0.2	0.4	5.1	0.9	2.3	1.2	1.5	1.2
16....	0.8	0.6	0.3	0.4	0.3	0.4	4.0	1.2	1.9	1.3	1.9	0.9
17....	0.7	0.7	0.3	0.4	0.3	0.4	3.6	1.3	2.5	1.7	1.7	0.8
18....	0.7	0.6	0.3	0.4	0.2	0.8	5.7	1.2	2.9	1.9	1.6	0.7
19....	0.8	0.6	0.3	0.4	0.2	0.8	22	1.5	2.9	46.9	2.0	0.7
20....	1.0	0.6	0.4	0.4	0.3	0.8	102	1.9	2.7	88	1.9	0.8
21....	0.9	0.6	0.4	0.4	0.3	2.5	23	2.9	2.3	5.4	1.7	1.5
22....	0.9	0.5	0.4	0.4	0.2	2.5	67	3.1	2.0	1.6	1.7	1.9
23....	0.7	0.6	0.5	0.4	0.2	3.1	95	2.7	1.2	0.9	2.0	2.0
24....	0.6	0.5	0.5	0.4	0.3	6.0	24	2.2	1.6	0.8	1.5	2.0
25....	0.5	0.5	0.6	0.3	0.3	3.8	13	2.2	1.9	0.4	1.0	2.2
26....	0.5	0.5	0.6	0.5	0.3	2.9	9.8	4.2	1.0	0.6	0.8	2.5
27....	0.5	0.4	0.6	0.2	0.2	3.6	7.7	12	0.8	0.9	0.8	3.6
28....	0.5	0.4	0.6	0.7	0.2	2.2	8.1	40	1.9	0.8	0.7	2.7
29....	0.6	0.4	0.6	0.6	0.2	1.0	7.0	26	2.5	0.8	0.9	2.2
30....	0.8	0.4	0.6	0.8	....	0.7	5.7	6.7	4.0	1.0	1.2	1.6
31....	0.7	....	0.6	0.7	....	0.7	....	4.4	....	1.0	1.0	....
Total	23.9	16.7	13.0	33.2	13.9	37.2	544.8	145.0	79.8	611.0	46.6	50.2
Mean.	0.77	0.56	0.42	1.07	0.48	1.20	18.2	4.68	2.66	19.7	1.50	1.67
Max..	1.2	0.7	0.6	4.0	1.2	6.0	102	40	4.4	46.9	2.7	3.6
Min..	0.5	0.4	0.3	0.2	0.2	0.2	0.6	0.7	0.8	0.4	0.7	0.7
Acre-ft.	47	33	26	66	28	74	1080	288	158	1210	92	100

Total run-off for period=3,200 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Purgatoire River at Trinidad, Colo., for Year Ending Sept. 30, 1945.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	42	54	24	40	33	25	9.0	34	69	52	72	40
2.....	44	54	29	33	42	11	9.0	44	50	52	21	44
3.....	48	56	33	33	34	69	8.4	54	48	52	23	42
4.....	50	54	29	67	27	44	11	52	50	36	326	37
5.....	50	54	38	36	22	46	15	77	33	36	180	24
6.....	50	54	25	33	50	42	20	60	36	40	302	16
7.....	50	52	44	27	29	20	22	48	48	52	87	14
8.....	44	52	16	15	36	18	25	52	64	46	56	18
9.....	44	50	31	22	27	11	22	87	60	38	174	20
10.....	44	52	36	42	15	9.3	21	85	56	27	401	33
11.....	44	44	18	40	10	13	20	80	80	21	136	26
12.....	48	44	38	36	27	12	18	82	56	12	58	20
13.....	72	48	27	36	24	18	15	87	50	8.4	52	20
14.....	60	48	25	72	22	20	12	77	48	6.0	52	35
15.....	62	54	34	54	18	21	15	58	44	44	352	22
16.....	69	50	29	25	20	22	18	46	40	17	489	29
17.....	854	48	36	6.6	20	21	21	40	40	17	899	62
18.....	892	48	40	31	21	19	29	36	31	29	284	47
19.....	239	48	33	60	16	18	29	40	25	20	92	40
20.....	194	48	42	46	15	17	27	46	20	2.7	65	54
21.....	124	40	46	74	15	16	25	69	20	2.5	57	40
22.....	104	31	36	114	16	16	22	67	30	2.5	62	26
23.....	93	36	38	72	12	17	22	56	32	9.3	42	16
24.....	87	54	40	50	10	17	31	46	36	34	33	22
25.....	77	50	42	33	15	17	38	46	33	107	33	31
26.....	69	33	22	21	18	17	44	46	38	77	225	31
27.....	64	33	31	21	18	16	46	50	58	42	160	35
28.....	60	44	27	46	24	16	46	46	64	15	74	42
29.....	60	31	22	44	....	15	40	48	52	65	52	42
30.....	58	34	48	38	....	12	36	62	50	62	44	60
31.....	54	....	40	50	....	11	....	80	....	93	37	....
Total	3850	1398	1019	1317.6	736	646.3	716.4	1801	1361	1117.4	4940	988
Mean.	124	46.6	32.9	42.5	22.7	20.8	23.9	58.1	45.4	36.0	159	32.9
Max..	892	56	48	114	50	69	46	87	80	107	899	62
Min..	42	31	16	6.6	10	9.3	8.4	34	20	2.5	21	14
Acre-ft.	7640	2770	2020	2610	1260	1280	1420	3570	2700	2220	9800	1960

Total run-off for period=39,250 acre-feet.

Discharge of Purgatoire River at Trinidad, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	70	22	21	20	34	20	25	134	552	248	42	34
2.....	36	19	24	24	39	20	30	142	480	218	24	30
3.....	32	19	21	22	39	22	32	138	405	248	24	38
4.....	29	20	24	21	52	22	29	146	304	273	32	30
5.....	24	20	25	11	59	20	24	149	218	891	32	140
6.....	24	18	30	18	37	19	24	157	237	480	46	64
7.....	25	17	19	17	36	18	24	170	304	310	36	34
8.....	29	15	18	18	46	17	25	224	335	258	27	25
9.....	24	16	15	22	46	19	25	234	329	204	62	13
10.....	21	21	14	25	20	20	112	257	1230	248	81	13
11.....	22	24	36	24	22	20	178	274	1710	190	62	43
12.....	21	21	30	36	29	20	561	274	1110	189	32	38
13.....	25	20	21	64	29	18	700	394	830	196	22	52
14.....	24	20	27	76	27	18	406	447	656	127	9.8	34
15.....	21	18	43	20	24	19	229	490	516	62	15	20
16.....	21	18	39	17	34	17	157	537	398	122	15	25
17.....	21	18	50	39	30	16	153	413	335	52	4.7	20
18.....	20	18	39	21	29	20	142	262	279	2.6	175	14
19.....	18	16	30	32	21	20	130	192	279	410	383	13
20.....	19	17	36	34	21	18	134	201	292	42	229	14
21.....	19	16	30	21	27	16	130	206	323	122	134	13
22.....	18	16	29	22	22	12	130	238	349	392	102	13
23.....	19	16	27	25	21	17	381	290	316	210	85	8.0
24.....	19	16	29	37	22	21	708	310	316	182	140	4.8
25.....	18	17	30	37	27	24	585	351	323	203	56	16
26.....	18	16	29	20	20	25	248	406	292	122	61	52
27.....	20	17	20	21	20	19	153	1390	258	105	168	20
28.....	19	19	19	20	20	18	424	1180	222	81	79	14
29.....	18	20	19	25	20	17	374	780	242	62	52	20
30.....	21	21	22	91	....	21	215	507	268	62	34	20
31.....	22	....	20	48	....	21	....	534	....	59	30	....
Total	738	551	836	928	873	594	6488	11427	13708	6370.6	2294.5	874.8
Mean.	23.8	18.4	27.0	29.9	30.1	19.2	216	369	457	206	74.0	29.2
Max..	70	24	50	91	59	25	708	1390	1710	891	383	140
Min..	18	15	14	11	20	12	24	134	218	2.6	4.7	4.8
Acre-ft.	1460	1090	1660	1840	1730	1180	12870	22670	27190	12640	4550	1740

Total run-off for period=90,620 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of Purgatoire River at Nine Mile Dam Near Higbee, Colo., for Year
Ending Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	49	175	74	284	96	49	28	8.0	10	40	0	27
2....	49	165	80	144	116	43	26	8.0	6.0	27	0	24
3....	48	156	77	116	93	44	24	8.0	6.0	21	0	21
4....	44	144	77	99	83	32	21	8.0	6.6	22	0	14
5....	46	131	77	102	69	33	19	8.2	7.6	14	0	12
6....	46	127	77	96	51	60	19	7.8	9.0	11	30	13
7....	46	140	123	96	53	57	22	8.8	9.4	8.6	50	5.6
8....	44	148	102	93	44	53	38	9.0	9.8	5.7	42	5.1
9....	40	135	74	102	46	63	33	13	11	4.7	49	4.1
10....	34	131	89	99	49	69	29	14	33	3.5	90	4.1
11....	33	127	93	102	51	72	32	17	74	43	50	3.7
12....	35	135	66	102	51	63	26	29	28	18	29	2.8
13....	40	131	51	112	49	51	24	32	17	19	54	2.4
14....	49	135	46	116	55	48	23	23	14	6.5	30	2.3
15....	112	127	46	120	57	46	21	17	11	3.0	250	2.2
16....	205	106	53	118	57	44	20	15	8.6	2.0	160	1.8
17....	520	96	57	96	57	44	19	16	4.8	1.2	112	1.4
18....	10100	99	51	80	55	37	19	18	3.0	0.8	1320	1.8
19....	2460	96	53	89	49	37	19	18	3.0	0	587	1.7
20....	1200	74	55	135	51	37	19	16	2.2	0	228	1.4
21....	616	69	60	175	49	40	19	17	2.4	0	96	1.8
22....	366	60	53	210	42	38	21	19	3.6	0	66	1.7
23....	326	66	53	131	40	35	18	19	2.8	0	40	1.1
24....	252	57	60	140	48	34	16	17	1.4	0	30	1.2
25....	234	86	63	96	48	34	15	22	0	0	24	3.7
26....	234	93	58	109	49	34	13	22	0	3.6	19	3.0
27....	246	83	53	93	48	35	12	22	0	0.8	165	1.8
28....	240	77	46	66	48	35	11	20	616	0.4	270	2.6
29....	246	77	54	72	....	34	9.4	24	60	0	152	2.0
30....	228	83	70	77	....	33	8.0	37	100	0	99	2.6
31....	210	....	144	89	....	33	....	15	....	0	72	....
Total	18398	3329	2135	3559	1604	1367	623.4	527.8	1060.2	255.8	4114	172.9
Mean.	593	111	68.9	115	57.3	44.1	20.8	17.0	35.3	8.25	133	5.76
Max..	10100	175	144	284	116	72	38	37	616	43	1320	27
Min...	33	57	46	66	40	32	8	7.8	0	0	0	1.1
Ac.-ft.	36490	6600	4230	7060	3180	2710	1240	1050	2100	507	8160	343

Total run-off for period=73,670 acre-feet.

**Discharge of Purgatoire River at Nine Mile Dam Near Higbee, Colo., for Year
Ending Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	6.0	12	14	13	35	21	24	616	850	106	57	49
2....	4.5	11	16	13	33	22	30	384	738	69	48	40
3....	6.7	12	17	12	25	23	29	312	690	33	38	30
4....	5.6	12	18	12	32	23	33	326	602	51	29	21
5....	5.0	14	17	12	40	22	53	419	497	109	24	17
6....	6.0	14	16	10	48	23	60	393	497	116	24	14
7....	6.0	14	16	11	57	23	44	319	543	140	20	53
8....	7.4	14	16	12	74	22	40	375	508	152	19	29
9....	7.9	15	15	12	74	19	44	384	543	109	23	21
10....	7.9	16	16	12	72	18	83	462	486	74	20	19
11....	7.0	16	17	12	40	20	106	419	1240	72	17	19
12....	6.0	16	17	12	34	24	106	440	1450	72	16	16
13....	5.1	17	17	12	35	28	451	402	886	119	16	12
14....	6.2	17	16	12	51	26	818	340	646	119	18	11
15....	6.7	17	15	12	38	25	497	366	440	112	15	10
16....	6.5	16	15	13	44	26	185	319	312	93	14	9.2
17....	7.9	16	16	13	30	26	210	305	240	77	42	8.6
18....	7.9	17	16	14	42	35	205	291	216	86	72	7.6
19....	7.8	17	18	15	34	44	195	277	195	1610	22	6.8
20....	7.7	16	22	15	38	40	228	210	165	1260	77	6.2
21....	7.6	16	17	16	35	48	222	190	131	333	144	6.0
22....	7.5	16	16	17	33	44	366	216	102	170	57	5.2
23....	7.8	16	18	19	34	46	616	135	116	340	33	4.6
24....	8.2	16	25	24	30	42	770	109	123	222	30	4.6
25....	9.2	16	34	23	28	35	976	131	119	190	22	3.9
26....	10	16	32	22	28	37	1050	222	93	190	17	4.1
27....	11	16	24	21	28	29	786	1390	74	165	976	3.9
28....	12	15	16	20	25	25	706	9880	80	123	216	4.0
29....	11	14	13	21	23	28	722	2150	160	102	170	4.0
30....	11	14	13	24	....	24	690	1260	210	93	96	2.6
31....	11	....	13	28	....	21	....	850	....	77	72	....
Total	238.1	454	551	484	1140	889	10345	23892	12952	6584	2444	412.3
Mean.	7.68	15.1	17.8	15.6	39.3	28.7	345	771	432	212	78.8	14.7
Max..	12	17	34	28	73	48	1050	9880	1450	1610	976	53
Min...	4.5	11	13	10	23	18	24	109	74	33	14	2.6
Ac.-ft.	472	900	1090	960	2260	1760	20520	47390	25690	13060	4850	877

Total run-off for period=119,800 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Purgatoire River at Highland (Carmen) Dam Near Las Animas, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	42	192	86	86	75	42	5.0	4.5	24	84	0	32
2.....	42	166	86	172	90	40	5.0	1.6	11	54	0	22
3.....	42	153	79	160	90	39	5.0	0.3	3.9	34	0	19
4.....	42	140	71	130	80	56	5.0	0.2	0.4	17	0	18
5.....	42	140	82	115	63	71	5.0	1.0	0	18	0	9.9
6.....	45	136	79	86	79	24	5.0	0.5	0	15	0	6.3
7.....	45	140	75	95	49	36	4.5	6.3	0	34	88	3.9
8.....	42	140	82	86	47	95	4.0	9.9	0	41	43	1.8
9.....	40	136	105	90	39	49	60	18	0	24	59	0.3
10.....	40	132	115	75	42	34	63	14	15	3.0	50	0.1
11.....	39	128	90	67	49	36	56	24	46	0.1	70	0
12.....	39	124	95	67	42	38	56	17	46	12	41	0
13.....	44	120	90	71	47	40	30	59	14	16	45	0
14.....	50	120	75	81	44	37	10	92	7.8	13	46	0
15.....	64	120	63	92	47	37	30	70	4.2	5.7	28	0
16.....	104	120	60	98	42	35	8.1	36	2.8	0.9	206	0
17.....	397	105	60	85	42	32	0	19	2.2	0.3	132	0
18.....	6250	105	56	76	34	*29	0	18	1.6	0.1	1060	0
19.....	2010	82	52	80	29	29	0	20	0.9	0.4	577	0
20.....	1260	75	60	96	26	29	7.8	17	0.5	0	238	0
21.....	974	90	63	130	26	30	9.9	12	0	0	132	0
22.....	726	79	63	175	34	*28	9.0	9.6	0	0	113	0
23.....	508	79	52	152	39	28	8.4	16	0	0	82	0
24.....	375	79	63	141	36	29	11	22	0	0	67	0
25.....	337	67	63	130	39	30	9.0	14	0	0	57	0
26.....	299	60	62	110	47	31	6.6	10	0	0	46	0
27.....	280	86	58	90	47	31	6.6	15	0	0	58	0
28.....	250	86	52	90	46	29	6.3	18	1000	0	126	0
29.....	242	86	50	71	....	26	6.6	6.9	142	0	80	0
30.....	228	86	51	67	....	24	6.3	15	58	0	58	0
31.....	212	....	52	63	....	18	....	61	....	0.0	37	....
Total	15110	3372	2190	3127	1370	1134	439.1	627.8	1380.3	372.5	3539	113.3
Mean.	487	112	70.6	101	48.9	36.6	14.6	20.3	46.0	12.0	114	3.78
Max.	6250	192	115	175	90	95	63	92	1000	84	1060	32
Min.	39	60	50	63	26	18	0	0.2	0	0	0	0
Ac.-ft.	29970	6690	4340	6200	2720	2250	871	1250	2740	739	7020	225

Total run-off for period=65,020 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Purgatoire River at Highland (Carmen) Dam Near Las Animas, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	0	12	18	31	34	20	52	688	1100	146	56	61
2.....	0	13	19	32	33	26	62	526	810	83	48	41
3.....	0	13	20	26	32	26	45	369	634	63	29	28
4.....	0	12	20	20	31	25	34	387	472	59	20	31
5.....	0	11	19	20	31	24	26	387	472	81	20	28
6.....	0	7.5	18	16	35	23	47	396	459	100	20	14
7.....	0	7.5	17	16	40	*20	48	266	567	175	18	26
8.....	0	9.3	12	15	72	*19	47	360	432	175	9.8	63
9.....	0	9.6	7.2	18	56	21	52	333	360	94	7.8	45
10.....	0	12	12	20	55	23	122	378	360	76	12	33
11.....	0	14	8.4	19	55	22	146	459	459	136	15	35
12.....	0	12	8.7	18	41	20	146	418	1280	92	11	32
13.....	0	8.1	6.6	19	39	12	221	405	936	87	8.7	31
14.....	0	11	8.7	19	40	*12	1220	301	714	122	6.3	26
15.....	0	9.6	11	19	40	17	894	308	567	89	11	10
16.....	0	7.2	12	18	35	20	360	294	432	156	9.8	5.7
17.....	0	5.4	11	18	42	23	280	301	287	92	7.5	4.8
18.....	0	9.3	14	18	26	18	252	287	245	67	109	4.1
19.....	0	11	13	18	37	34	221	294	170	360	34	2.8
20.....	0	12	18	25	34	32	215	209	136	1940	38	4.7
21.....	0	11	23	40	35	34	215	175	122	526	81	3.3
22.....	0	9.9	22	33	30	34	308	170	102	324	87	0.9
23.....	0	10	10	41	26	37	824	105	76	387	60	1.7
24.....	0	8.7	11	61	22	45	702	96	83	280	45	0.1
25.....	0	10	13	46	20	42	1020	100	79	197	41	0.1
26.....	0	14	19	49	18	40	1160	151	83	146	35	0.2
27.....	0	15	15	33	17	36	742	1670	64	126	1140	0.4
28.....	0	15	7.2	26	19	28	662	14800	54	96	203	0.6
29.....	4.5	16	11	24	24	28	675	4720	63	83	122	0.4
30.....	7.2	17	27	22	....	64	894	1760	369	71	96	0.4
31.....	9.9	....	30	34	....	52	....	1430	....	55	74	....
Total	21.6	333.1	461.8	814	1019	877	11692	32543	11987	6484	2474.9	534.2
Mean.	0.70	11.1	14.9	26.3	35.1	28.3	390	1050	400	209	79.8	17.8
Max.	9.9	17	30	61	72	64	1220	14800	1280	1940	1140	63
Min.	0	5.4	6.6	15	17	12	26	96	54	55	63	0.1
Acre-ft.	43	661	916	1610	2020	1740	23190	64550	23780	12860.	4910	1060

Total run-off for period=137,300 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Caddoa Creek Near Caddoa, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.1	0	0.4	0.8	0	0.4	0.2	0.1	0	0	0.0	0
2....	0.1	0.1	0.3	0.5	0	0.3	0.2	0.1	0	0.6	0	0
3....	0.1	0.1	0.3	0.5	0.1	0.4	0.2	0.1	0	3.5	0	0
4....	0.1	0	0.3	0.4	0.1	0.5	0.2	0.0	0.1	0.6	0	0
5....	0.1	0	0.3	0.4	0.1	0.3	0.2	0.1	0	0.2	0	0
6....	0.1	0	0.3	0.5	0.1	0.3	0.1	0.1	0	0	0	0
7....	0.2	0	0.3	0.8	0.1	0.2	0.3	0.4	0	0	0	0
8....	0.2	0	0.3	1.4	0.1	0.2	2.0	0.3	0.1	14	0	0
9....	0.3	0	0.3	1.2	0.1	0.2	1.8	0.4	0.2	14	0	0
10....	0.3	0	0.2	0.3	0	0.3	0.3	0.3	0.8	1.6	0	0
11....	0.4	0	0.3	0.3	0	0.3	0.2	0.2	1.6	0.5	0	0
12....	0.4	0	0.3	0.4	0.1	0.3	0.2	0.1	0.6	0.2	0	0
13....	0.6	0	0.5	0.4	0.1	0.3	0.2	0.2	0.3	0.1	0	0
14....	0.5	0.1	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.1	0	0
15....	0.8	0.2	0.2	0.2	0.3	0.3	0.2	0.1	0.3	0.4	18	0
16....	0.6	0.3	0	0.1	0.2	0.3	0.1	0.0	0.3	0.2	68	0
17....	1.0	0.2	0	0	0.1	0.3	0.1	0.0	0.3	0	3.5	0
18....	0.5	0.2	0	0	0.1	0.3	0.1	0.1	0.2	0	0.8	0
19....	0.8	0.2	0	0	0.1	0.3	0.1	0.4	0.0	0	0.3	0
20....	0.5	0.2	0.2	0	0.3	0.3	0.1	0.3	0	0	0.2	0
21....	0.4	0.2	0.1	0.2	0.5	0.3	0.1	0.3	0	0	0	0
22....	0.2	0.3	0.1	0.4	0.4	0.3	0.1	0.2	0	0	0	0
23....	0.3	0.3	0.2	0.3	0.3	0.4	0.1	0.1	0	0	0	0
24....	0.3	0.3	0.3	0.3	0.2	0.4	0.2	0.2	0	0	0	0
25....	0.3	0.2	0.4	0.2	0.2	0.4	0.1	0.2	0	0	1.6	0
26....	0.2	0.2	1.0	0.0	0.3	0.4	0	0.1	0	0	0.5	0
27....	0.1	0.2	1.6	0	0.3	0.4	0.1	0.1	0	0	0.1	0
28....	0.1	0.3	1.2	0	0.4	0.4	0.1	0.0	2.8	0	0	0
29....	0.1	0.4	1.2	0	....	0.4	0.1	0.0	0.4	0	0	0
30....	0	0.3	1.6	0	....	0.3	0.1	0.0	0.0	0	0	0
31....	0	....	1.2	0	....	0.2	....	0.0	....	0	0	....
Total	9.7	4.3	13.7	9.9	4.9	10.0	8.0	4.7	8.3	36.0	93.0	0
Mean.	0.31	0.14	0.44	0.32	0.18	0.32	0.27	0.15	0.28	1.16	3.00	0
Max..	1.0	0.4	1.6	1.4	0.5	0.5	2.0	0.4	2.8	14	68	0
Min..	0	0	0	0	0	0.2	0	0	0	0	0	0
Acre-ft.	19	8.5	27	20	9.7	20	16	9.3	16	71	184	0

Total run-off for period=400 acre-feet

Discharge of Caddoa Creek at Caddoa, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0	0	0	0	0	0.2	0	5.9	0.1	0	0	0
2....	0	0	0.2	0	0	0.1	0.1	1.2	0	0	0	0
3....	0	0.1	0.5	0	0	0.1	0	0.4	0	0	0.1	0
4....	0	0.1	0.3	0	0.1	0	0	1.0	0	0	0.3	0
5....	0	0.1	0.2	0	0.1	0.1	0.1	0.1	0	0	0.4	0
6....	0	0	0.1	0	0.1	0.1	0.1	0.1	0	0	0.5	0
7....	0	0	0	0	0.1	0.1	0.1	0.1	0	0	0.2	0
8....	0	0	0	0	0.1	0.1	0.1	0.1	0	0	0.2	0
9....	0	0	0	0	0	0.1	0.4	0.1	0	0	0.2	0.1
10....	0	0	0	0	0	0.2	3.5	0.1	0	0	0.1	0.1
11....	0	0	0	0	0	0.2	1.6	0.1	0	45	0.1	0.1
12....	0	0	0	0	0	0.2	0.3	0.1	0	28	0.1	0
13....	0	0	0	0	0	0.2	0.1	0.1	0	8.0	0.1	0
14....	0	0	0	0	0	0.1	0.2	0.1	0	5.0	0.1	0
15....	0	0	0	0	0	0.1	0.2	0.1	0	2.0	0.1	0
16....	0	0	0	0	0	0.1	0.2	0.1	0	1.6	0	0
17....	0	0	0	0	0	0.1	0.2	0.1	0	1.4	0	0
18....	0	0	0	0	0	0.3	0.3	0.1	0	1.2	0	0
19....	0	0	0	0	0	0.5	0.3	0.1	0	4.0	0	0
20....	0	0	0	0	0.1	0.4	0.2	0.1	0	4.0	125	0
21....	0	0	0	0	0.1	0.4	0.2	0.1	0.1	2.3	8.3	0
22....	0	0	0	0	0.1	0.2	0.2	0.1	0	1.0	1.7	0
23....	0	0	0	0	0.1	0.1	0.3	0.1	0	0.4	0.5	0
24....	0	0	0	0	0.1	0.1	0.3	0	0	0.2	0.3	0
25....	0	0	0	0	0.1	0.1	0.4	0.1	0	0.2	0.2	0
26....	0	0	0	0	0.1	0.2	1.2	0.1	0	0.2	0.1	0
27....	0	0	0	0	0.1	0.1	1.2	0.4	0	0.2	0.1	0
28....	0	0	0	0	0.1	0.2	0.6	184	0	0.1	0	0
29....	0	0	0	0	0.1	0.2	0.6	14	0	0.1	0	0
30....	0	0	0	0	....	0.1	5.6	2.8	0.5	0.1	0	0
31....	0	....	0	0	....	0	....	0.4	....	0	0	....
Total	0	0.3	1.3	0	1.5	5.0	18.6	212.2	0.7	105.0	138.7	0.3
Mean.	0	0.01	0.04	0	0.05	0.16	0.62	6.85	0.02	3.39	4.47	0.01
Max..	0	0.1	0.5	0	0.1	0.5	3.5	184	0.5	45	125	0.1
Min..	0	0	0	0	0	0	0	0	0	0	0	0
Acre-ft.	0	0.6	2.6	0	3.0	9.9	37	421	1.4	208	275	0.6

Total run-off for period=959 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Rule Creek Near Caddoa, Colo., for Year Ending Sept 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.3	0.2	0.7	1.3	1.7	1.5	0.6	0.5	0	0.4	0.1	0.1
2....	0.3	0.2	0.7	1.2	1.8	1.1	0.5	0.4	0	0.3	0.1	0.1
3....	0.3	0.3	0.7	1.1	1.9	1.2	0.5	0.3	0	0.2	0.1	0.1
4....	0.2	0.3	0.7	1.1	1.8	1.6	0.5	0.2	0	0.2	0.2	0.1
5....	0.1	0.3	0.6	1.3	1.7	1.4	0.5	0.2	0	0.1	0.1	0.1
6....	0.1	0.3	0.6	1.2	1.4	1.3	0.4	0.2	0	0.1	0.1	0.1
7....	0.1	0.2	0.6	1.2	1.1	1.2	0.8	0.1	0	0.1	0.1	0.1
8....	0.1	0.2	0.6	1.2	1.2	1.3	1.6	0.1	0	0.4	0.1	0.1
9....	0.1	0.2	0.7	1.1	1.3	1.4	2.0	0.1	0	0.2	0.1	0.1
10....	0	0.3	0.8	1.0	1.3	1.3	1.4	0.1	0	0	0.2	0.1
11....	0	0.3	0.7	1.1	1.3	1.3	1.0	0.1	0.4	0	0.3	0.1
12....	0	0.4	0.6	1.2	1.3	1.2	0.7	0.1	2.3	0	0.1	0.1
13....	0	0.4	0.5	1.2	1.2	1.2	0.5	0.1	0.1	0	0.1	0.1
14....	0	0.4	0.6	1.2	1.2	1.1	0.6	0.2	0.1	0	0.1	0.1
15....	0.1	0.4	0.7	1.2	1.3	1.1	0.6	0.1	0	0	0.1	0.1
16....	0.1	0.5	0.6	1.3	1.4	1.2	0.8	0.1	0	4	0.3	0.1
17....	0.7	0.5	0.6	1.3	1.2	1.2	0.7	0.1	0	0	0.3	0.1
18....	1.1	0.5	0.5	1.0	1.0	1.3	0.5	0.1	0	0	0.3	0.1
19....	0.7	0.5	0.5	0.8	1.1	1.3	0.5	0.1	0	0	0.3	0.1
20....	0.6	0.5	0.5	0.8	1.1	1.2	0.5	0.1	0	0	0.2	0.1
21....	0.5	0.5	0.5	*1.0	1.2	1.1	0.4	0.2	0	0	0.1	0.1
22....	0.4	0.5	0.6	1.6	1.4	1.1	0.5	0.1	0	0	0.1	0.1
23....	0.4	0.5	0.6	1.9	1.4	1.2	0.5	0.1	0	0	0.1	0.1
24....	0.3	0.5	0.7	2.3	1.4	1.3	0.5	0.1	0	0.1	0.1	0.2
25....	0.3	0.7	0.8	2.3	1.4	1.3	0.5	0.2	0	0.1	0.2	0.1
26....	0.3	0.7	1.1	2.0	1.5	1.3	0.5	0.1	0	0.1	0.7	0.1
27....	0.3	0.6	2.0	1.8	1.4	1.2	0.6	0.1	0	0.1	0.3	0.1
28....	0.3	0.5	1.0	1.9	1.4	1.1	0.6	0.1	518	0.1	0.2	0.1
29....	0.3	0.5	1.0	1.9	....	1.0	0.7	0.1	17	0.2	0.1	0.2
30....	0.2	0.6	1.2	1.8	....	0.8	0.5	0.1	1.1	0.2	0.1	0.2
31....	0.2	....	1.3	1.7	....	0.7	....	0.1	....	0.2	0.1	....
Total	8.4	12.5	23.3	42.7	38.4	37.5	20.5	4.6	539.0	3.1	5.4	3.3
Mean.	0.27	0.42	0.75	1.38	1.37	1.21	0.68	0.15	18.0	0.10	0.17	0.11
Max..	1.1	0.7	2.0	2.3	1.9	1.6	2.0	0.5	518	0.4	0.7	0.2
Min..	0	0.2	0.5	0.5	1.0	0.7	0.4	0.1	0	0	0.1	0.1
Acre-ft.	17	25	46	85	76	74	41	9.1	1070	6.1	11	6.5

Total run-off for period=1,470 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Rule Creek Near Caddoa, Colo., for Year Ending Sept 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1....	0.2	0.4	0.4	0.6	0.5	0.5	0.4	0.6	11	0.8	0.4	0.1
2....	0.1	0.6	0.5	0.5	0.5	0.6	0.5	0.7	1.0	0.8	0.3	0.1
3....	0.1	0.5	0.5	0.4	0.6	0.6	0.5	0.7	0.8	0.8	0.3	0.1
4....	0.1	0.5	0.4	0.4	0.6	0.5	0.5	0.6	0.6	0.7	0.3	0.1
5....	0.1	0.5	0.4	0.6	0.6	0.4	0.4	0.6	0.6	0.7	0.4	0.1
6....	0.1	0.4	0.4	0.5	0.7	0.3	0.4	0.6	0.7	0.8	0.7	0.2
7....	0.1	0.4	0.4	0.3	0.5	0.3	0.4	0.6	0.6	0.9	0.6	0.1
8....	0.1	0.4	0.5	0.1	0.4	0.6	0.3	0.6	0.6	0.6	0.4	0.1
9....	0.1	0.4	0.4	0	0.4	0.7	0.5	0.6	0.6	0.5	0.3	0.1
10....	0	0.4	0.2	0	0.7	0.8	1.6	0.5	0.6	0.6	0.3	0.2
11....	0	0.4	0	*0	0.4	0.9	1.4	0.5	0.6	5.0	0.3	0.2
12....	0	0.5	0	0	0.4	1.1	1.1	0.5	0.6	37	0.3	0.2
13....	0	0.4	0	0.1	0.4	0.8	2.9	0.4	0.6	14	0.3	0.1
14....	0	0.4	0	0.2	0.4	0.9	2.1	0.4	0.5	3.6	0.3	0.1
15....	0	0.4	0	0.3	0.4	0.9	1.1	0.4	0.5	2.5	0.3	0.1
16....	0	0.5	0	0.3	0.4	1.0	0.9	0.4	0.5	1.9	0.3	0.1
17....	0	0.5	0	0.3	0.4	0.8	0.9	0.4	0.5	1.8	0.3	0.1
18....	0	0.5	0	*0.3	0.4	1.3	0.4	0.4	0.5	1.6	0.2	0.4
19....	0	0.4	0	0.4	0.5	1.1	0.3	0.5	0.5	1.2	0.2	0.3
20....	0	0.4	0	0.5	0.5	0.9	0.3	0.5	0.4	12	0.3	0
21....	0	0.4	0	0.4	0.5	0.7	0.3	0.5	0.4	3.2	0.3	0
22....	0.1	0.4	0.2	0.4	0.5	0.6	1.0	0.5	0.4	1.8	0.3	0
23....	0.1	0.4	0.3	0.4	0.5	0.7	1.3	0.6	0.4	1.3	0.3	0
24....	0.1	0.4	0.4	0.4	0.5	0.6	1.9	0.6	0.4	1.0	0.3	0
25....	0.1	0.4	0.6	0.4	0.6	0.6	1.2	0.6	0.4	0.8	0.2	0
26....	0.1	0.4	0.5	0.6	0.4	0.5	0.6	1.0	0.4	0.8	0.2	0
27....	0.1	0.4	0.4	0.7	0.4	0.5	0.6	5.8	0.6	0.7	0.2	0
28....	0.1	0.4	0.4	0.7	0.5	0.6	0.6	116	0.7	0.6	0.2	0
29....	0.1	0.4	0.5	0.6	0.5	0.5	0.9	37	0.8	0.6	0.1	0
30....	0.1	0.4	0.5	0.6	....	0.5	0.6	14	2.0	0.5	0.1	0
31....	0.2	....	0.6	0.6	....	0.5	....	24	....	0.4	0.1	....
Total	2.1	12.9	8.6	11.6	14.1	21.3	25.9	211.1	28.8	110.3	9.1	2.8
Mean.	.07	.43	.28	.37	.49	.69	.86	6.81	.96	3.56	.29	.09
Max..	0.2	0.6	0.6	0.7	0.7	1.3	2.9	116	11	37	0.7	0.4
Min..	0	0.4	0	0	0.4	0.3	0.3	0.4	0.4	0.4	0.1	0
Acre-ft.	42	26	17	23	28	42	51	419	57	219	18	5.6

Total run-off for period=910 acre-feet.

*Winter discharge measurement made on this day

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Mud Creek Near Caddoa, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.1	0.1	0	0.3	0.1	0.1	0	0.1	0.1	0.1	0	0
2....	0.1	0.1	0	0.3	0.1	0	0	0.1	0.1	0.1	0	0
3....	0.1	0.1	0	0.3	0.1	0.1	0	0.1	0.1	0.1	0	0
4....	0.1	0.1	0	0.2	0.1	0.2	0	0.1	0	0.1	0	0
5....	0.1	0.1	0	0.2	0.2	*0.2	0	0.1	0	0.2	89	0
6....	0	0	0	0.2	*0.2	0.1	0	0.1	0	0.2	8.0	0
7....	0	0	0	0.2	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0
8....	0	0	0	0.2	0.2	0.2	0.5	0.1	0	0.2	0.1	0
9....	0	0	0.1	*0.2	0.2	0.2	5.5	0.1	0	0.3	0	0
10....	0	0	0.2	0.2	0.1	0.2	0.8	0.1	0.2	1.1	0	0
11....	0	0	0.3	0.2	0.1	0.2	*0	0.1	0	1.0	0	0
12....	0	0	*0.3	0.2	0.2	0.2	0	0.1	0	0.5	0	0
13....	0	0	0.4	0.2	0.2	0.2	0	0.1	0	0.3	0	0
14....	0.2	*0	0.4	0.2	0.2	0.2	0	0.1	0	0.2	0	0
15....	3.5	0	0.4	0.2	0.1	0.2	0	0.1	0	0.2	0	0
16....	8.0	0	0.6	0.2	0.1	*0.2	0	0.1	0	0.1	0.9	0
17....	35	0	0.7	0.1	0.1	0.2	0	0.1	0	0.1	175	0
18....	6.8	0	0.5	0	*0.1	0.1	0	0.1	0	0	14	0
19....	2.0	0	0.4	0	0.1	0.1	0.1	0.1	0	0	6.8	0
20....	0.8	0.1	0.3	0	0.1	0.1	0.1	0.1	0	0	0.5	0
21....	0.3	0.1	0.3	*0	0.1	0.1	0.1	0.1	0	0	0.1	0
22....	0.3	0.2	0.3	0.1	0.1	0	0.1	0.1	0	0	0.1	0
23....	1.2	0.1	0.3	0.1	0.1	0	0.1	0.1	0	0	0.1	0
24....	0.8	0.1	0.3	0.1	0.1	0	0.1	0.1	0	0	0.1	0
25....	0.4	0	0.3	0.1	0.1	0	0.1	0.1	0	0	0	0
26....	0.4	0	0.2	0.1	0.1	0	0.1	0.1	0	0	0	0
27....	0.3	*0	0.2	0.1	0.1	0	0.1	0.1	0	0	0	0
28....	0.3	0	0.1	0.1	0.1	0	0.1	0.1	0	0	0	0
29....	0.3	0	0.2	0.1	....	0	0.1	0.1	0	0	0	0
30....	0.2	0	0.2	0.1	....	0	0.1	0.1	0	0	0	0
31....	0.2	....	0.3	0.1	....	0	....	0.1	....	0	0	....
Total	61.5	1.1	7.3	4.6	3.6	3.2	8.2	3.1	0.6	5.0	294.8	0
Mean.	1.98	0.04	0.24	0.15	0.13	0.10	0.27	0.10	0.02	0.16	9.51	0
Max..	35	0.2	0.7	0.3	0.2	0.2	5.5	0.1	0.2	1.1	175	0
Min..	0	0	0	0	0	0	0	0.1	0	0	0	0
Acre-ft.	122	2.2	14	9.1	7.1	6.3	16	6.1	1.2	9.9	585	0

Total run-off for period=779 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of Big Sandy Creek Above Amity Canal Diversion Near Korman, Colo.,
for Year Ending Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0	15	1.3	4.0	1.0	1.2	1.3	0.5	0.4	0.2	0.1	0.1
2....	0	11	0.7	3.6	1.2	0.2	1.1	0.5	0.4	0.2	0.1	0.2
3....	0.4	11	1.2	3.2	1.3	0.3	1.1	0.5	0.4	0.2	0.1	0.2
4....	0.4	8.4	0.9	3.0	1.2	0.8	0.9	0.6	0.4	0.2	0.1	0.2
5....	0.6	6.8	1.2	2.8	1.4	0.8	0.8	0.5	0.4	0.2	0.1	0.2
6....	0.7	4.2	0.5	0.9	1.0	0.5	0.8	0.5	0.7	0.2	0.1	0.1
7....	0.8	4.2	0.7	0.5	1.3	0.7	0.9	1.0	0.8	0.2	0.2	0.1
8....	0.9	8.6	0.4	0.5	2.2	2.5	2.8	0.6	0.6	0.2	0.2	0.1
9....	1.1	2.8	1.0	0.6	1.0	2.2	2.2	2.5	0.6	0.2	0.2	0.1
10....	1.6	1.2	1.2	2.8	0.1	1.8	1.9	1.6	0.5	0.1	0.2	0
11....	1.7	1.6	*1.4	1.3	*1.2	2.0	1.7	0.6	0.5	0.2	0.2	0
12....	2.0	1.4	1.8	1.0	1.6	2.2	1.6	0.4	0.4	0.1	0.2	0
13....	3.5	1.4	2.4	3.0	4.6	1.7	1.4	0.3	0.3	0.1	0.2	0
14....	17	1.6	2.2	3.4	3.8	2.0	1.3	0.2	0.3	0.1	0.2	0
15....	30	2.0	2.0	1.6	1.7	2.7	1.1	0.2	0.3	0.1	0.2	0.1
16....	21	1.7	2.0	1.6	1.7	1.9	1.1	0.2	0.2	0.1	0.8	0.1
17....	31	1.2	2.7	0.8	2.0	1.7	1.3	0.2	0.2	0.1	0.2	0.2
18....	49	1.7	1.6	0.4	1.7	0.5	1.2	0.2	0.2	0.1	0.2	0.2
19....	67	2.2	1.4	0.2	2.0	0.3	1.2	0.3	0.2	0.1	0.2	0.1
20....	60	1.4	1.6	0.6	1.7	0.2	1.0	0.3	0.2	0.1	0.2	0.1
21....	54	1.1	2.2	1.4	1.7	0.9	1.0	0.3	0.1	0.1	0.2	0.1
22....	39	1.1	2.5	1.8	1.6	2.2	0.8	0.3	0.1	0.1	0.1	0.1
23....	40	3.0	2.2	1.2	1.7	1.9	0.7	0.2	0.1	0.1	0.1	0.1
24....	40	4.6	1.0	0.8	1.7	1.9	0.8	0.3	0.1	0.1	0.1	0.2
25....	35	3.8	1.4	0.4	1.0	1.7	0.8	0.3	0.1	0.1	0.1	0.2
26....	32	1.0	1.2	0.5	1.6	1.7	0.7	0.3	0.0	0.1	0.1	0.2
27....	28	1.7	0.8	0.5	1.6	1.7	0.7	0.3	0.1	0.1	0.1	0.2
28....	26	1.3	0.4	3.4	2.4	1.3	0.6	0.3	0.3	0.1	0.0	0.2
29....	24	1.0	0.6	2.5	....	1.4	0.5	0.3	0.2	0.1	0	0.2
30....	21	2.0	1.2	2.5	....	1.6	0.5	0.4	0.2	0.1	0	0.2
31....	17	....	3.5	1.1	....	1.7	....	0.4	....	0.1	0	....
Total	644.7	110.0	45.2	51.9	47.0	44.2	33.8	15.1	9.3	4.1	4.8	3.8
Mean	20.8	3.67	1.46	1.67	1.68	1.43	1.13	0.49	0.31	0.13	0.15	0.13
Max..	67	15	3.5	4.0	4.6	2.7	2.8	2.5	0.8	0.2	0.8	0.2
Min..	0	1.0	0.4	0.2	0.1	0.2	0.5	0.2	0.0	0.1	0	0
Acre-ft.	1280	218	90	103	93	88	67	30	18	8.1	9.5	7.5

Total run-off for period=2,010 acre-feet.

*Winter discharge measurement made on this day.

**Discharge of Big Sandy Creek Above Amity Canal Diversion Near Korman, Colo.,
for Year Ending Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.2	1.0	1.1	0.8	1.0	1.0	1.5	225	280	0.3	0.4	0.4
2....	0.2	1.0	1.1	1.0	1.1	1.0	1.2	133	236	0.4	0.3	0.3
3....	0.3	1.0	1.1	0.9	1.2	1.1	0.9	97	147	0.7	0.3	0.2
4....	0.3	1.1	1.1	0.9	1.4	1.1	0.9	76	264	0.9	0.2	0.3
5....	0.3	1.1	1.1	0.8	1.1	1.0	0.8	61	66	0.5	0.2	0.2
6....	0.4	1.0	0.8	0.9	1.2	1.0	1.0	54	40	0.4	0.3	0.1
7....	0.4	0.8	1.1	0.8	1.1	1.0	0.8	42	24	0.4	0.1	0
8....	0.4	1.0	1.0	0.7	1.1	1.0	0.9	35	19	0.4	0.1	0
9....	0.4	1.1	0.9	0.8	1.1	1.0	1.3	26	21	0.3	0.1	0
10....	0.4	1.3	1.0	0.8	1.2	1.1	3.0	14	14	0.2	0.1	0
11....	0.4	1.4	0.8	0.8	0.9	1.3	2.1	11	8.8	0.4	0.1	0
12....	0.4	1.2	0.8	0.8	0.8	1.2	2.0	7.6	3.9	0.5	0.1	0
13....	0.4	1.1	0.9	0.8	0.9	1.3	2.0	5.0	2.6	0.4	0.2	0
14....	0.4	1.1	1.0	0.8	1.0	0.9	1.8	3.0	2.2	0.3	0	0
15....	0.4	1.1	1.1	1.0	0.9	1.0	1.6	2.4	2.2	0.3	0.1	0
16....	0.4	1.0	1.1	1.1	1.0	1.1	1.7	1.9	1.7	0.4	0	0
17....	0.4	1.0	1.1	1.4	0.9	1.1	2.2	1.1	1.3	0.6	0	0
18....	0.4	1.0	1.0	1.3	0.8	1.0	2.1	0.3	1.2	44	0	0
19....	0.4	0.9	1.0	1.1	0.7	1.0	2.2	0.3	1.1	37	0	0
20....	0.5	0.9	1.0	1.2	0.8	1.1	1.9	0.3	1.2	18	0	0
21....	0.5	0.9	0.9	1.4	0.8	1.5	1.8	0.3	1.3	6.1	0	0
22....	0.5	1.0	1.1	1.0	0.8	1.6	11	0.4	1.3	8.3	0	0
23....	0.5	1.0	0.9	1.0	0.8	1.6	83	0.3	1.3	3.9	0.1	0
24....	0.5	1.1	1.0	1.1	0.9	1.9	105	0.3	1.0	1.3	0.2	0
25....	0.5	1.1	1.1	1.2	0.8	2.1	188	0.3	0.7	1.7	0.3	0.1
26....	0.5	1.0	1.0	1.2	0.8	2.2	88	0.5	0.5	1.1	0.3	0.2
27....	0.6	1.0	1.0	1.1	0.8	2.2	138	3.9	0.4	0.7	0.4	0.2
28....	0.6	1.0	1.0	1.0	1.1	2.2	356	13	0.4	0.5	0.4	0.2
29....	0.6	1.1	0.9	1.1	1.0	2.1	329	18	0.4	0.4	0.5	0.2
30....	0.6	1.1	1.0	1.0	....	1.7	272	272	0.4	1.7	0.4	0.2
31....	0.8	....	0.9	1.0	....	1.7	....	206	....	0.4	0.4	....
Total	13.6	31.4	30.9	30.8	28.0	42.1	1603.7	1310.9	1144.9	132.5	5.6	2.6
Mean	.44	1.05	1.00	.99	.97	1.36	53.5	42.3	38.2	4.27	.18	.09
Max..	0.8	1.4	1.1	1.4	14	2.2	356	272	280	44	0.5	.4
Min..	0.2	0.8	0.8	0.7	7	0.9	0.8	0.3	0.4	0.2	0	0
Acre-ft.	27	62	61	61	56	84	3180	2600	2270	263	11	5.2

Total run-off for period=8,680 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Two Buttes Creek Near Holly, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0	0	0	0	0	0	0	0	0	0	0	0
2....	0	0	0	0	0	0	0	0	0	0	0	0
3....	0	0	0	0	0	0	0	0	0	0	0	0
4....	0	0	0	0	0	0	0	0	0	0	0	0
5....	0	0	0	0	0	0	0	0	0	0	0	0
6....	0	0	0	0	0	0	0	0	0	0	0	0
7....	0	0	0	0	0	0	0	0	0	0	0	0
8....	0	0	0	0	0	0	0	0	0	0	0	0
9....	0	0	0	0	0	0	0	0	0	0	0	0
10....	0	0	0	0	0	0	0	0	0	0	0	0
11....	0	0	0	0	0	0	0	0	0	0	0	0
12....	0	0	0	0	0	0	0	0	0	136	0	0
13....	0	0	0	0	0	0	0	0	0	0.1	0	0
14....	14	0	0	0	0	0	0	0	0	0	0	0
15....	0	0	0	0	0	0	0	0	0	0	0	0
16....	0	0	0	0	0	0	0	0	0	0	0	0
17....	0	0	0	0	0	0	0	0	0	0	0	0
18....	0	0	0	0	0	0	0	0	0	0	0	0
19....	0	0	0	0	0	0	0	0	0	0	0	0
20....	0	0	0	0	0	0	0	0	0	0	0	0
21....	0	0	0	0	0	0	0	0	0	0	0	0
22....	0	0	0	0	0	0	0	0	0	0	0	0
23....	0	0	0	0	0	0	0	0	0	0	0	0
24....	0	0	0	0	0	0	0	0	0	0	0	0
25....	0	0	0	0	0	0	0	0	0	0	0	0
26....	0	0	0	0	0	0	0	0	0	0	0	0
27....	0	0	0	0	0	0	0	0	0	0	0	0
28....	0	0	0	0	0	0	0	0	0	0	0	0
29....	0	0	0	0	....	0	0	0	0	0	0	0
30....	0	0	0	0	....	0	0	0	0	0	0	0
31....	0	....	0	0	....	0	....	0	....	0	0	....
Total	14	0	0	0	0	0	0	0	0	136.1	0	0
Mean..	0.45	0	0	0	0	0	0	0	0	4.39	0	0
Max...	14	0	0	0	0	0	0	0	0	136	0	0
Min...	0	0	0	0	0	0	0	0	0	0	0	0
Acre-ft.	28	0	0	0	0	0	0	0	0	270	0	0

Total run-off for period==298 acre-feet.

Discharge of Two Buttes Creek Near Holly, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0	0	0	0	0	0	0	0	0	0	0	0
2....	0	0	0	0	0	0	0	469	0	0	0	0
3....	0	0	0	0	0	0	0	10	0	0	0	0
4....	0	0	0	0	0	0	0	0	0	0	0	0
5....	0	0	0	0	0	0	0	0	0	0	0	0
6....	0	0	0	0	0	0	0	0	0	0	0	0
7....	0	0	0	0	0	0	0	0	0	0	0	0
8....	0	0	0	0	0	0	0	0	0	0	0	0
9....	0	0	0	0	0	0	0	0	0	0	0	0
10....	0	0	0	0	0	0	128	0	0	0	0	0
11....	0	0	0	0	0	0	10	0	0	0	0	0
12....	0	0	0	0	0	0	0	0	0	0	0	0
13....	0	0	0	0	0	0	0	0	0	0	0	0
14....	0	0	0	0	0	0	0	0	0	0	0	0
15....	0	0	0	0	0	0	0	0	0	0	0	0
16....	0	0	0	0	0	0	0	0	0	0	0	0
17....	0	0	0	0	0	0	0	0	0	0	0	0
18....	0	0	0	0	0	0	0	0	0	0	0	0
19....	0	0	0	0	0	0	0	0	0	0	0	0
20....	0	0	0	0	0	0	0	0	0	0	0	0
21....	0	0	0	0	0	0	0	0	0	0	0	0
22....	0	0	0	0	0	0	0	0	0	0	0	0
23....	0	0	0	0	0	0	0	0	0	0	0	0
24....	0	0	0	0	0	0	0	0	0	0	0	0
25....	0	0	0	0	0	0	0	0	0	0	0	0
26....	0	0	0	0	0	0	0	0	0	0	0	0
27....	0	0	0	0	0	0	0	0	0	0	0	0
28....	0	0	0	0	0	0	0	0	0	0	0	0
29....	0	0	0	0	0	0	0	0	0	0	0	0
30....	0	0	0	0	....	0	40	0	0	0	0	0
31....	0	....	0	0	....	0	....	0	....	0	0	....
Total	0	0	0	0	0	0	178	480	0	0	0	0
Mean..	0	0	0	0	0	0	5.93	15.5	0	0	0	0
Max...	0	0	0	0	0	0	128	469	0	0	0	0
Min...	0	0	0	0	0	0	0	0	0	0	0	0
Acre-ft.	0	0	0	0	0	0	353	952	0	0	0	0

Total run-off for period==1,310 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Wild Horse Creek at Holly, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	40	0	168	151	4.0	0	20	0	0	0	0	2.3
2....	2.3	1.2	166	166	6.0	0	26	0	0	0	0	0.3
3....	0	2.5	151	157	6.0	0	1	0	0	0	0	0.3
4....	14	3.4	103	123	7.5	1.2	0	0	0	0	0	10
5....	88	2.0	96	107	11	0	6.0	3.8	0	0	0	5.5
6....	103	2.0	55	120	16	0	0	0.6	0	0	0	3.2
7....	81	2.3	61	116	12	0	0	7.5	8.8	0	0	0.8
8....	69	2.5	77	125	9.0	2.9	16	4.5	35	9.5	0	0.8
9....	77	0	65	120	5.0	7.5	0.5	4.5	30	12	0	1.5
10....	77	0	73	146	0	5.5	1.8	0	94	8.5	1.2	0
11....	49	0	78	99	1.5	8.0	1.6	0	96	9.0	0.1	0
12....	35	0.3	115	57	0	0.4	29	3.4	35	12	0	0
13....	119	0.8	129	48	0.3	0	45	14	6.5	12	0	0
14....	181	1.4	107	56	0	0	80	8.5	5.0	8.5	0	0
15....	208	0	60	61	0	0	82	2.4	6.5	6.0	0	0
16....	155	0	49	50	0	0.6	29	6.0	11	2.8	2.5	0
17....	69	0	48	45	0	0.7	16	12	16	0	2.4	0
18....	45	0	47	35	0	0	9.0	16	0.5	0	0.3	0
19....	25	0	103	30	0	0	4.0	15	0	0	0	0
20....	18	0	115	33	0	0	2.4	13	0	0	0.5	0
21....	17	4.9	129	39	0	0	1.5	11	0	0	1.6	0
22....	10	117	139	33	0	0	0	17	0	0	0.6	0
23....	6.4	162	123	21	3.0	0	0	106	0	0	0	0
24....	9.1	178	57	19	0.8	0	0	55	0	0	0	0
25....	5.5	132	37	14	1.6	0	0	11	0	0	0	0
26....	3.4	114	47	14	2.4	55	4.5	7.0	0	0	3.2	0
27....	2.8	137	30	2.3	2.0	98	0	5.6	0	0	0.6	0
28....	2.2	148	25	16	0	114	0	0	0	0	0	0
29....	1.8	160	35	39	....	134	0	0	0	0	0	0
30....	0.5	168	55	14	....	91	0	0	0	0	0.6	0
31....	0	....	143	8.0	....	55	....	0	....	0	4.0	....
Total	1514.0	1339.3	2636	2064.3	88.1	573.8	375.3	323.8	344.3	80.3	17.6	24.7
Mean.	48.8	44.6	86.6	66.6	3.15	18.5	12.5	10.4	11.5	2.59	0.57	0.82
Max..	208	178	168	166	16	134	82	106	96	12	4	10
Min..	0	0	25	2.3	0	0	0	0	0	0	0	0
Acre-ft.	3000	2660	5330	4090	175	1140	744	642	683	159	35	49

Total run-off for period=18,710 acre-feet.

Discharge of Wild Horse Creek at Holly, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0	2.4	4.0	4.3	4.0	0	0	32	73	31	6.7	7.3
2....	0	1.8	24	5.8	3.8	0	0	123	58	36	5.6	14
3....	0	1.7	24	6.0	3.6	0	0.5	60	48	53	4.3	6.4
4....	0	2.2	51	3.8	6.3	0	6.3	16	21	78	3.6	6.4
5....	0	0.8	56	0	5.0	0	20	12	23	74	1.6	12
6....	0	6.7	50	0	5.3	0	2.4	10	80	33	0	12
7....	0	1.5	15	0	5.8	0	1.2	8.9	71	21	0	9.6
8....	0	12	9.6	0	5.3	0	3.6	7.8	53	18	0	6.4
9....	0	55	16	0	6.0	0	17	6.7	71	13	0	7.2
10....	0	38	38	0	4.8	0	181	3.4	85	6.3	0	29
11....	0	31	30	0	3.4	0	13	10	56	53	0.30	19
12....	2.0	21	21	0	4.6	0	3.2	2.6	75	45	0	7.6
13....	17	21	7.4	0	4.6	0	1.7	1.4	53	186	0	8.0
14....	12	31	3.4	0	4.0	0	0.4	0.5	13	16	0	12
15....	19	36	0	0	5.3	0	0	0.2	12	9.3	0	12
16....	11	44	9.6	9.6	4.8	0	0	0	5.0	11	0	7.6
17....	4.0	11	12	13	0.4	0	0	0	20	18	0	11
18....	1.2	7.4	7.4	13	0.4	0	0.3	0	13	12	0	13
19....	21	5.0	5.8	8.9	6.0	0.9	2.2	0	20	104	0	14
20....	14	7.8	8.9	8.2	4.6	1.1	2.4	46	28	320	0	14
21....	23	4.6	10	8.2	3.8	0.0	1.4	102	7.4	70	0	14
22....	21	3.4	8.9	5.3	2.0	0	3.6	66	6.3	64	0	16
23....	23	0	0.5	3.6	0.9	0	8.5	31	3.4	57	0	12
24....	23	0	8.5	2.4	1.2	0	6.0	39	1.4	29	0	14
25....	20	0	9.3	3.4	1.0	0	3.6	26	1.4	174	0	10
26....	21	0	4.8	8.9	0.4	0	4.0	53	7.0	15	0	15
27....	21	0	1.0	6.0	0	0	3.8	75	6.3	4.3	0	19
28....	12	0	1.8	5.6	0	0	2.0	136	7.4	11	0	12
29....	1.2	0	8.2	5.8	0	0	124	110	5.0	34	0	5.0
30....	2.0	0.90	9.3	4.8	....	0	18	94	123	33	0	0
31....	5.0	....	7.4	4.3	....	0	....	92	....	16	0	....
Total	273.4	346.2	462.8	130.9	97.3	2.0	430.1	1164.5	1046.6	1644.9	22.1	345.5
Mean.	8.82	11.5	14.9	4.22	3.6	0.06	14.3	37.6	34.9	53.1	0.71	11.5
Max..	23	55	56	13	6.6	1.1	181	136	123	320	6.7	29
Min..	0	0	0	0	0	0	0	0	1.4	4.3	0	0
Acre-ft.	542	687	918	260	193	4	853	2310	2080	3260	44	685

Total run-off for period=11,840 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Holly Drain Near Holly, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	35	31	23	....	22	27	94	48	26	28	29	30
2....	35	30	23	....	23	26	94	48	27	25	32	28
3....	35	29	23	....	23	26	82	55	33	27	31	29
4....	36	28	28	....	20	27	66	50	53	29	34	31
5....	37	28	41	*22	20	27	58	67	38	36	38	30
6....	39	27	44	....	19	26	54	77	52	42	38	33
7....	50	26	42	....	19	26	51	64	78	38	35	29
8....	54	26	35	....	18	27	58	50	80	35	36	30
9....	58	25	29	....	18	26	28	46	104	34	43	38
10....	59	23	27	....	18	25	24	46	79	50	46	37
11....	59	23	24	....	16	25	21	46	77	38	43	34
12....	59	23	23	....	17	25	19	65	71	37	40	29
13....	68	25	23	....	17	26	17	71	85	31	36	41
14....	103	22	23	....	17	27	20	42	92	34	34	38
15....	77	20	22	....	17	27	50	39	91	40	35	31
16....	58	18	22	....	17	26	43	37	77	49	38	24
17....	67	18	21	....	17	26	39	35	57	39	41	24
18....	47	18	21	....	25	29	40	31	56	33	42	28
19....	43	18	20	....	27	30	36	32	47	29	36	27
20....	46	19	20	....	29	29	33	43	39	28	36	26
21....	46	19	20	....	30	28	35	49	37	28	37	26
22....	43	20	20	....	31	28	37	64	36	27	38	28
23....	43	24	20	....	31	28	40	46	32	25	39	25
24....	40	24	20	....	30	28	41	23	27	25	32	25
25....	36	24	20	....	30	29	43	16	22	25	33	28
26....	31	25	20	....	30	32	63	27	20	24	29	35
27....	28	24	20	....	31	80	59	26	21	24	28	36
28....	26	24	20	*22	28	92	46	24	25	25	26	38
29....	29	26	20	....	....	82	49	26	24	24	28	41
30....	33	24	20	....	....	80	50	25	29	25	33	43
31....	33	....	20	....	....	92	....	29	....	25	39	....
Total	1453	711	754	682	640	1132	1390	1347	1535	979	1105	942
Mean.	46.9	23.7	24.3	22.0	22.9	36.5	46.3	43.5	51.2	31.6	35.6	31.4
Max..	103	31	44	....	31	92	94	77	104	50	46	43
Min..	26	18	20	....	16	25	17	16	20	24	26	24
Acre-ft.	2880	1410	1500	1350	1270	2250	2760	2670	3040	1940	2190	1870

Total run-off for period=25,130 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Holly Drain Near Holly, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	44	38	41	27	26	23	20	63	50	55	48	60
2....	35	42	44	26	26	23	20	113	44	62	48	56
3....	32	45	56	26	26	23	19	144	42	70	49	50
4....	30	45	35	25	28	22	28	58	51	69	35	44
5....	39	38	31	25	28	23	20	48	54	74	26	48
6....	44	35	29	25	27	24	28	43	52	79	25	50
7....	40	41	33	25	27	23	32	39	43	77	24	60
8....	38	43	48	26	26	22	32	38	42	73	25	58
9....	39	32	46	26	27	22	25	37	40	63	26	63
10....	43	33	33	26	26	22	113	35	37	60	26	61
11....	40	33	31	26	25	20	74	39	35	67	27	94
12....	34	32	29	26	25	20	42	31	35	81	27	116
13....	26	31	27	25	25	20	38	31	31	88	28	87
14....	25	31	26	25	25	20	38	32	39	105	30	72
15....	22	31	26	25	25	20	34	32	39	104	31	66
16....	24	30	25	25	25	20	35	33	64	106	33	60
17....	29	65	23	25	25	20	33	32	58	116	34	64
18....	30	36	21	25	24	19	31	31	54	85	36	60
19....	21	32	22	25	25	20	32	30	50	86	36	60
20....	21	26	24	25	26	20	34	29	37	189	39	50
21....	26	27	26	25	27	22	35	28	41	104	43	47
22....	20	29	27	25	27	22	37	29	41	79	35	51
23....	21	34	27	25	25	22	39	28	35	54	41	55
24....	36	32	27	25	25	21	36	33	35	46	43	60
25....	50	34	27	25	25	20	33	33	33	95	48	66
26....	29	34	27	27	23	20	31	73	34	56	52	77
27....	29	31	27	27	22	19	30	80	36	39	54	67
28....	32	31	26	26	22	19	29	74	39	32	48	73
29....	36	28	26	26	22	20	89	63	37	30	44	74
30....	35	27	26	26	....	20	60	64	92	29	45	71
31....	33	....	27	25	....	20	....	54	....	29	54	....
Total	1003	1046	943	791	735	651	1147	1497	1320	2302	1160	1920
Mean.	32.4	34.9	30.4	25.5	25.3	21.0	38.2	48.3	44.0	74.3	37.4	64.0
Max..	50	65	56	27	28	24	113	144	92	189	54	116
Min..	20	26	21	25	22	19	19	28	31	29	24	44
Acre-ft.	1990	2070	1870	1570	1460	1290	2280	2970	2620	4570	2300	3810

Total run-off for period=28,800 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

RIO GRANDE RIVER BASIN

RIO GRANDE RIVER AT THIRTY MILE BRIDGE, NEAR CREEDE, COLORADO

Location—Water stage recorder in Sec. 13, T. 40 N., R. 4 W., 500 feet upstream from Squaw Creek, $\frac{3}{4}$ mile downstream from Rio Grande Reservoir, and 20 miles southwest of Creede.

Drainage Area—163 square miles. Altitude 9,380 feet above mean sea level.

Records Available—June 18, 1909 to September 30, 1923, May 16, 1925 to September 30, 1944.

Maximum discharge during period 1909-1923, 1925-1944; 7,500 second feet June 28, 1927. Gage height 7.03 feet.

Maximum Discharge—Year 1943; 1,410 second feet May 31. Gage height 3.98 feet.

Maximum Discharge—Year 1944; 2,210 second feet, June 15. Gage height 4.70 feet.

Accuracy—Records considered excellent except those for periods of ice effect, November 13, 1942 to March 29, 1943, and from November 7, 1943 to April 28, 1944; which were computed on basis of reservoir gate openings.

Diversions for storage above station. Flow regulated by Rio Grande Reservoir, capacity 51,110 acre feet, just above station.

RIO GRANDE RIVER AT WASON, BELOW CREEDE, COLORADO

Location—Water stage recorder in NE $\frac{1}{4}$ Sec. 8, T. 41 N., R. 1 E., at Wason, 11 $\frac{1}{2}$ miles downstream from Willow Creek, and 3 miles southeast of Creede.

Drainage Area—705 square miles. Altitude 8,591 feet above mean sea level.

Records Available—April 24, 1907 to September 30, 1944. Maximum discharge during period 1907-1944; 9,750 second feet June 28, 1927. Gage height 7.65 feet. (corrected).

Maximum Discharge—Year 1943; 2,400 second feet June 2. Gage height 3.32 feet.

Maximum Discharge—Year 1944; 4,110 second feet June 16. Gage height 4.38 feet.

Accuracy—Records considered excellent except those for periods of ice effect, December 8, 1942 to February 19, 1943, November 27, 1943 to March 17, 1944, which were computed on basis of discharge measurements, weather reports, and comparison with record at Del Norte, and are fair.

Diversions for irrigation above station. Flow regulated by three reservoirs, total capacity 122,900 acre feet.

RIO GRANDE RIVER NEAR DEL NORTE, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 29, T. 40 N., R. 5 E., 5 miles upstream from Pinos Creek and 6 miles west of Del Norte, at State Bridge. From 1889 to September, 1907, station maintained at site four miles downstream, records are comparable.

Drainage Area—1,320 square miles. Zero of gage is 7,982.21 feet above mean sea level, datum of 1929.

Records Available—October 11, 1889 to September 30, 1944.

Maximum discharge during period 1889-1944; 18,000 second feet October 5, 1911, from rating curve extended above 6,000 second feet. Gage height 6.80 feet.

Maximum Discharge—Year 1943; 3,380 second feet June 1. Gage height 3.58 feet.

Maximum Discharge—Year 1944; 7,070 second feet, May 16. Gage height 5.22 feet.

Accuracy—Records considered excellent except those for periods of ice effect, December 5, 1942 to March 1, 1943, March 4-12, 14, 16-22, 1943, November 28, 1943 to April 4, 1944, which were computed on basis of four and nine discharge measurements, weather records, and are fair.

Diversions for irrigation above station. Flow regulated by three reservoirs above station, total capacity 122,900 acre feet, and by several smaller ones.

RIO GRANDE RIVER NEAR MONTE VISTA, COLORADO

Location—Water stage recorder at west line of Sec. 19, T. 39 N., R. 8 E., where Gunbarrel Highway crosses river 2 miles north of Monte Vista.

Drainage Area—1,590 square miles. Zero of gage is 7,654.54 feet above mean sea level, datum of 1929.

Records Available—May 1, 1926 to September 30, 1944.

Maximum discharge during period 1926-1944; 18,500 second feet, June 30, 1927. Gage height 7.85 feet.

Maximum Discharge—Year 1943; 1,300 second feet, June 2. Gage height 3.23 feet.

Maximum Discharge—Year 1944; 5,860 second feet, May 17. Gage height 6.28 feet.

Accuracy—Records considered excellent except those for periods of ice effect, December 9, 1942 to March 1, 1943 and from December 5, 1943 to February 29, 1944, which were computed on basis of discharge measurements, weather records, and are fair.

Diversions for irrigation above station. Flow regulated by three main reservoirs, total capacity 122,900 acre feet, and by several small reservoirs.

RIO GRANDE RIVER AT ALAMOSA, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ Sec. 4, T. 37 N., R. 10 E., $\frac{1}{4}$ mile northwest of Alamosa, and 7 miles upstream from Alamosa Creek. Prior to November 6, 1935, at site at highway bridge in Alamosa.

Drainage Area—1,710 square miles. Zero of gage is 7,532.66 feet above mean sea level, datum of 1929.

Records Available—May 15, 1912 to September 30, 1944.

Maximum discharge during period 1912-1944; 14,000 second feet July 1, 1927. Gage height 9.37 feet.

Maximum Discharge—Year 1943; discharge not determined.

Maximum Discharge—Year 1944; 4,020 second feet, May 18. Gage height 9.32 feet.

Accuracy—Records considered good except those for periods of ice effect, December 7, 1942 to February 26, 1943, November 24, 1941 to March 24, 1942, and during periods of missing gage heights, November 1-3, 5-9, 11, 12, 1942, March 23-28, April 4, 6, August 5, 22, 24, 26, 29, September 5, 12, 19, 26, 27, 1943, October 3, 10, 17, 21, 23, 31, November 4, 6, 7, 1943 and March 28 to April 3, August 26-28, 1944, which were computed on basis of discharge measurements, weather records, and are fair.

Diversions for irrigation above station.

RIO GRANDE RIVER ABOVE MOUTH OF TRINCHERA
CREEK NEAR LA SAUSES, COLORADO

Location—Water stage recorder in Sec. 35, T. 36 N., R. 11 E., $\frac{1}{4}$ mile upstream from Trinchera Creek and 5 miles north of La Sausés.

Drainage Area—5,740 square miles (includes 2,940 square miles in closed basin).

Records Available—May, 1936 to September 30, 1944.

Maximum discharge during period 1936-1944; 4,740 second feet, June 28, 1941, from rating table extended above 4,000 second feet. Gage height 8.77 feet.

Maximum Discharge—Year 1943; discharge not determined.

Maximum Discharge—Year 1944; 3,540 second feet, May 20. Gage height 8.33 feet.

Accuracy—Records considered good except those for periods of ice effect, November 22, 23, December 1, 1942 to March 3, 1943, October 16-November 17, November 26, 1943 to March 21, 1944, which were computed on basis of 4 and 6 discharge measurements, weather records, and are fair.

Diversions for irrigation above station.

RIO GRANDE RIVER NEAR LOBATOS, COLORADO

Location—Water stage recorder in Sec. 22, T. 33 N., R. 11 E., 6 miles north of Colorado-New Mexico State line, 7 miles downstream from Culebra Creek, at highway bridge 10 miles east of Lobatos.

Drainage Area—7,700 square miles (includes 2,940 square miles in closed basin). Zero of gage is 7,426.79 feet above mean sea level, datum of 1929.

Records Available—June 28, 1899 to September 30, 1944.

Maximum discharge during period 1899-1944; 13,100 second feet June 8, 1905, from rating curve extended above 8,000 second feet.

Maximum Discharge—Year 1943; 1,400 second feet May 4. Gage height 2.94 feet.

Maximum Discharge—Year 1944; 6,440 second feet May 18. Gage height 6.25 feet.

Accuracy—Records considered excellent except those for periods of ice effect, December 19, 1942 to February 20, 1943 and December 10, 1943 to March 19, 1944, which were computed on basis of discharge measurements, weather records, and are fair.

Diversions for irrigation above station. Flow regulated by many reservoirs on headwaters.

CLEAR CREEK BELOW CONTINENTAL RESERVOIR,
COLORADO

Location—Water stage recorder and Parshall flume in Sec. 22, T. 42 N., R. 3 W., 1000 feet downstream from Continental Reservoir, and 15 miles west of Creede.

Drainage Area—51.7 square miles (Revised).

Records Available—May 1, 1929 to September 30, 1944.

Maximum discharge during period 1929-1944; 313 second feet May 4, 1937. Gage height 3.41 feet.

Maximum Discharge—Year 1943; 194 second feet, May 2. Gage height 2.57 feet.

Maximum Discharge—Year 1944; 179 second feet, May 13. Gage height 2.71 feet.

Accuracy—Records considered good except those during winter period, and period of missing gage heights, October 1-7, 1942, October 26, 1942 to April 18, 1943, October 2, 1943 to May 12, 1944, which were computed on basis of gate openings at Continental Reservoir above station, and are fair.

Flow regulated by Continental Reservoir above station, capacity 26,700 acre feet.

GOOSE CREEK NEAR WAGON WHEEL GAP, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 26, T. 40 N., R. 1 E., 2 miles downstream from Humphrey Reservoir, 1 $\frac{1}{2}$ miles downstream from Roaring Fork, and 6 miles south of Wagon Wheel Gap.

Drainage Area—53.6 square miles (Revised).

Records Available—October 1, 1939 to September 30, 1944.

Maximum discharge during period 1939-1944; 780 second feet, June 23, 1941, from rating curve extended above 500 second feet. Gage height 2.99 feet.

Maximum Discharge—Year 1943; 208 second feet, June 1. Gage height 1.72 feet.

Maximum Discharge—Year 1944; 594 second feet, May 15. Gage height 2.54 feet.

Accuracy—Records considered good except those for periods of ice effect, November 23 to December 31, 1942, November 29-30, 1943, and those for periods of missing gage heights, October 15-16, 1942, April 1-12, 1943, August 4-5, 9-12, 16-19, September 1-2, 1943, and May 1-4, July 4-7, 1944, which were estimated.

No diversions for irrigation above station. Flow is not regulated as Humphreys Reservoir (capacity: 842 acre feet) is used for fish pond and is not regulated.

SOUTH FORK OF RIO GRANDE RIVER AT SOUTH FORK, COLORADO

Location—Water stage recorder in Sec. 4, T. 39 N., R. 3 E., 1 $\frac{1}{4}$ miles upstream from mouth, and 1 $\frac{1}{2}$ miles southwest of South Fork. From 1910 to 1922 station maintained at site 1 mile downstream, records are comparable.

Drainage Area—216 square miles. Zero of gage is 8,221.79 feet above mean sea level, datum of 1929.

Records Available—August, 1910 to September 30, 1922; May 4, 1936 to September 30, 1944.

Maximum discharge during period 1910-1922, 1936-1944; 8,000 second feet October 5, 1911, from rating curve extended above 1,500 second feet. Gage height 9.70 feet from flood marks, present site and datum.

Maximum Discharge—Year 1943; 975 second feet, June 2. Gage height 4.18 feet.

Maximum Discharge—Year 1944; 1,650 second feet, June 1 and 10. Gage height 5.30 feet.

Accuracy—Records considered excellent except those for periods of ice effect, December 4, 1942 to March 22, 1943, and November 7-9, November 24, 1943 to March 31, 1944, and for periods of missing gage heights, May 9-20, August 25 to September 16, 1943, which were computed on basis of discharge measurements, weather records, and are fair.

Diversions for irrigation and several small storage reservoirs above station.

PINOS CREEK NEAR DEL NORTE, COLORADO

Location—Water stage recorder and Parshall Flume in Sec. 29, T. 39 N., R. 5 E., just downstream from Bennett Creek, and 8 miles southwest of Del Norte.

Drainage Area—53 square miles.

Records Available—May, 1919 to September, 1924, May, 1936 to September 30, 1944.

Maximum discharge during period 1919-1924, 1936-1944; 720 second feet by slope area measurement August 3, 1936. Gage height 4.19 feet.

Maximum daily discharge during period 1919-1924, 1936-1944; 2,400 second feet, June 3, 1922.

Maximum Discharge—Year 1943; 107 second feet, August 17. Gage height 1.43 feet.

Maximum Discharge—Year 1944; 307 second feet, May 15. Gage height 2.93 feet.

Accuracy—Records considered excellent except those for periods of ice effect, November 4-30, 1942, November 1-4, 12-30, 1943, and during period of missing gage heights, April 1-19, 21-23, 1944, July 9-19, August 27-29, 1944, which were estimated, and are fair.

One small diversion for irrigation above station.

ROCK CREEK NEAR MONTE VISTA, COLORADO

Location—Water stage recorder and 8 foot Parshall Flume in SE $\frac{1}{4}$ Sec. 36, T. 38 N., R. 6 E., 3 miles downstream from North Fork and 9 miles southwest of Monte Vista. During period April, 1919 to September, 1924, water stage recorder at site $1\frac{1}{2}$ miles downstream.

Drainage Area—33.6 square miles.

Records Available—April, 1919 to September, 1924; May, 1935 to September 30, 1944.

Maximum discharge during period 1935-1944; that of May 15, 1944.

Maximum Discharge—Year 1943; 39 second feet, July 31. Gage height 1.10 feet.

Maximum Discharge—Year 1944; 178 second feet, May 15. Gage height 2.88 feet.

Accuracy—Records considered excellent except those estimated, November 21-30, 1942, November 1-30, 1943, April 1-16, 1944.

Diversions for irrigation above station.

ALAMOSA RIVER ABOVE TERRACE RESERVOIR, COLORADO

Location—Wate stage recorder in Sec. 8, T. 36 N., R. 6 E., 3 miles upstream from Terrace Reservoir Dam, and 15 miles northwest of Capulin.

Drainage Area—107 square miles.

Records Available—September, 1911 to June, 1912, April, 1914 to October, 1919, October, 1923 to September, 1927, October, 1934 to September 30, 1944.

Maximum discharge during period 1911-1912, 1914-1919, 1923-1927, 1934-44; 5,200 second feet, October 5, 1911, computed by weir formula. Gage height 11.0 feet, datum then in use, from flood marks.

Maximum Discharge—1943; 718 second feet, May 1. Gage height 2.96 feet.

Maximum Discharge—Year 1944; 1,260 second feet, May 15. Gage height 3.69 feet.

Accuracy—Records considered excellent above 50 second feet and good below, except those during periods October 1-5, 1943 and from November 13, 1943 to April 8, 1944, which were estimated and are fair.

No diversions above station.

ALAMOSA RIVER BELOW TERRACE RESERVOIR, COLORADO

Location—Water stage recorder in Sec. 23, T. 36 N., R. 6 E., in canyon $\frac{1}{2}$ mile downstream from Terrace Reservoir Dam and 11 miles northwest of Capulin.

Drainage Area—116 square miles. Altitude 8,400 feet above mean sea level.

Records Available—April 18, 1909 to September 30, 1912, April 1, 1915 to October 31, 1915, February 1, 1917 to October 31, 1920, April 1, 1922 to September 30, 1944.

Maximum daily discharge during period 1909-1912, 1915, 1917-1920, 1922-1944; 1,450 second feet, June 16-17-18, 1917.

Maximum Discharge—Year 1943; 557 second feet, May 3. Gage height 3.73 feet.

Maximum Discharge—Year 1944; 885 second feet, June 15. Gage height 4.65 feet.

Accuracy—Records considered good. Winter flows estimated on basis of reservoir gate openings from November 17, 1942 to March 14, 1943, November 13, 1943 to April 8, 1944. Discharge estimated during period of missing gage heights, October 1-21, 1942 and July 20-August 2, 1943.

Diversions for storage above station. Flow regulated by Terrace Reservoir, capacity 17,700 acre feet.

LA JARA CREEK AT GALLEGOS RANCH, NEAR CAPULIN, COLORADO

Location—Water stage recorder in NE $\frac{1}{4}$ Sec. 32, T. 34 N., R. 7 E., 2 miles upstream from old station called "La Jara Creek near Capulin" (records not comparable), 2 $\frac{1}{4}$ miles upstream from Canyon del Rancho, 11 miles southwest of Capulin, and 11 $\frac{1}{2}$ miles downstream from La Jara Reservoir.

Drainage Area—79 square miles.

Records Available—May 1, 1936 to September 30, 1944.

Maximum discharge during period 1936-1944; 653 second feet April 15, 1937 from rating curve extended above 220 second feet. Gage height 5.94 feet.

Maximum Discharge—Year 1943; 594 second feet August 10 from rating curve extended above 150 second feet. Gage height 5.61 feet.

Maximum Discharge—Year 1944; 624 second feet May 6 from rating curve extended above 189 second feet. Gage height 5.72 feet.

Accuracy—Records considered good except those during periods of no gage height, November 17-30, 1942, March 1-17, April 24-27, 1943, April 1-6, 1944, and during winter period, November 1, 1943 to April 1, 1944, which were estimated.

Diversions for storage and irrigation above station. Flow regulated by La Jara Reservoir, capacity 14,040 acre feet.

TRINCHERA CREEK ABOVE TURNER'S RANCH NEAR FT. GARLAND, COLORADO

Location—Water stage recorder in Sec. 2, T. 31 S., R. 71 W., upstream from Turner's Ranch and 7 miles southeast of Ft. Garland. Station just downstream from confluence of North and South Forks.

Drainage Area—45 square miles.

Records Available—April 1, 1923 to September 30, 1944.

Maximum discharge during period 1923-1944; 689 second feet May 27, 1942, from rating curve extended above 220 second feet. Gage height 3.32 feet.

Maximum Discharge—Year 1943; 47 second feet, May 10. Gage height 2.49 feet.

Maximum Discharge—Year 1944; 382 second feet May 15, from rating cure extended above 220 second feet. Gage height 3.47 feet.

Accuracy—Records considered good except those during period of ice effect and of missing gage heights, November 5-30, 1942, March 1-25, 1943, November 3-11, 17, 26, 30, 1943, May 18, 1944, which were estimated, and are fair.

No diversions above station.

TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, NEAR FT. GARLAND, COLORADO

Location—Water stage recorder in Sec. 31, T. 30 S., R. 71 W., $1\frac{1}{2}$ miles upstream from Mountain Home Reservoir dam and 4 miles southeast of Ft. Garland.

Drainage Area—61 square miles.

Records Available—May 1, 1923 to September 30, 1944.

Maximum discharge during period 1923-1944; 391 second feet, May 27, 1942, from rating curve extended above 220 second feet. Gage height 3.83 feet.

Maximum Discharge—Year 1943; 36 second feet, May 1. Gage height 1.17 feet.

Maximum Discharge—Year 1944; 276 second feet, May 16, from rating curve extended above 220 second feet. Gage height 2.91 feet.

Accuracy—Records considered good except those during period of ice effect, November 13-30, 1942, November 26, 1943 to April 12, 1944, which were computed on basis of discharge measurements, weather records, and are fair.

Diversions for irrigation above station.

TRINCHERA CREEK BELOW SMITH RESERVOIR NEAR BLANCA, COLORADO

Location—Water stage recorder in Sec. 5, T. 31 S., R. 73 W., 1 mile downstream from Smith Reservoir, 5 miles southwest of Blanca, and just downstream from bridge on Blanca-San Acacia highway.

Drainage Area—396 square miles.

Records Available—October 1, 1929 to September 30, 1944.

Maximum daily discharge during period 1,340 second feet, May 11, 1942.

Maximum Discharge—Year 1943; 52 second feet, March 30. Gage height 0.63 feet.

Maximum Discharge—Year 1944; 662 second feet, May 17. Gage height 5.34 feet.

Accuracy—Records considered poor in 1943 and good in 1944, except those for period of no gage height, October 2 to November 14, 1943 and during winter period, December 4, 1943 to March 9, 1944, which were computed on basis of discharge measurements and weather records.

Diversions for irrigation and storage above station. Flow, regulated by Smith Reservoir, capacity 5,335 acre feet.

SANGRE DE CRISTO CREEK NEAR FORT GARLAND, COLORADO

Location—Water stage recorder in Sec. 23, T. 30 S., R. 72 W., $1\frac{1}{2}$ miles east of Ft. Garland, and 4 miles upstream from confluence of Ute Creek.

Drainage Area—187 square miles.

Records Available—March 15 to October 9, 1916; May 1, 1923 to September 30, 1944.

Maximum discharge during period 1916, 1923-1944; 1,520 second feet, by slope area method, August 31, 1936. Gage height 6.10 feet.

Maximum Discharge—Year 1943; 91 second feet, March 30. Gage height 4.74 feet.

Maximum Discharge—Year 1944; 833 second feet, May 16. Gage height 7.33 feet (from flood mark).

Accuracy—Records considered good except those during periods of ice effect, November 12, 1942 to March 22, 1943, which were computed on basis of three discharge measurements and weather records and those during periods of missing gage heights, November 12-14, 27-30, 1943, April 1-12, May 14-17, 29, 30, 1944.

Diversions for irrigation above station.

UTE CREEK NEAR FT. GARLAND, COLORADO

Location—Water stage recorder in Sec. 2, T. 30 S., R. 72 W., $2\frac{1}{2}$ miles north of Ft. Garland, and 6 miles upstream from mouth.

Drainage Area—32 square miles.

Records Available—March 16 to October 8, 1916, May 1, 1923 to September 30, 1944.

Maximum daily discharge during period 1916, 1923-1944; 630 second feet May 15, 1941.

Maximum Discharge—Year 1943; 178 second feet, June 30. Gage height 2.34 feet.

Maximum Discharge—Year 1944; 176 second feet, May 16. Gage height 2.58 feet.

Accuracy—Records considered excellent except those during periods of ice effect, November 12-30, 1942, March 1-26, 1943, and during period of missing gage height, April 1-12, 1944, which were estimated, and are fair.

Diversions for irrigation above station.

CONEJOS RIVER AT PLATORO, COLORADO

Location—Water stage recorder in Sec. 22, T. 36 N., R. 4 E., $\frac{1}{2}$ mile east of Platoro, and 5 miles downstream from Adams Fork.

Drainage Area—44.4 square miles.

Records Available—April 1, 1937 to September 30, 1944.

Maximum discharge during period 1937-1944; 1,310 second feet, June 25, 1941, from rating curve extended above 850 second feet. Gage height 3.15 feet.

Maximum Discharge—Year 1943; 861 second feet, June 1. Gage height 2.59 feet.

Maximum Discharge—Year 1944; 1,150 second feet, June 24, from rating curve extended above 850 second feet. Gage height 2.99 feet.

Accuracy—Records considered excellent except those estimated during period of missing gage height, May 1-4, 1943, October 7-11 and October 31 to November 30, 1943, May 1-22, 1944, which are fair.

No diversions above station.

CONEJOS RIVER AT COUNSELLORS CABIN NEAR MOGOTE, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ Sec. 5, T. 33 N., R. 6 E., $\frac{1}{2}$ mile downstream from Counsellors Cabin and 14 miles northwest of Mogote. Elk Creek enters 2 miles upstream.

Drainage Area—211 square miles.

Zero of gage is 8,606.23 feet above mean sea level.

Records Available—October 1, 1943 to September 30, 1944.

Maximum Discharge—Year 1944; 2,440 second feet, June 1 and 2. Gage height 4.62 feet.

Accuracy—Records considered good except those for periods of missing gage heights, October 7-22, November 11, 1943, April 6-7, 14-17, 19 to May 3, 1944, which were computed on basis of weather records and comparison with record at Mogote and are fair. Winter flow estimated from November 20, 1943 to March 30, 1944.

There are no diversions above station.

CONEJOS RIVER NEAR MOGOTE, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ Sec. 34, T. 33 N., R. 7 E., $\frac{3}{4}$ mile downstream from Fox Creek, $5\frac{1}{2}$ miles northwest of Mogote at Broyles Bridge 12 miles west of Antonito.

Drainage Area—282 square miles. Altitude 8,300 feet above mean sea level.

Records Available—September 1, 1899 to March 31, 1900, April 17, 1903 to October 31, 1905, at a point one mile downstream from present site, from March 21, 1907 to October 5, 1911, at site three miles upstream, from January 1, 1912 to September 30, 1944, at present site.

Maximum discharge during period 1899-1900, 1903-1905, 1907-

1944; 9,000 second feet October 5, 1911, from rating curve extended above 3,500 second feet. Gage height 8.50 feet, site and datum then in use.

Maximum Discharge—Year 1943; 1,830 second feet, June 3. Gage height 4.13 feet.

Maximum Discharge—Year 1944; 2,890 second feet, June 2. Gage height 4.83 feet.

Accuracy—Records considered good except those during periods of ice effect, January 5-February 5, 1943, November 27, 1943 to March 22, 1944, and period of missing gage heights, December 7-14, 1942, which were computed on basis of seven discharge measurements and weather records, and are fair.

No diversions or regulations above station.

CONEJOS RIVER NEAR LA SAUSES, COLORADO

Location—Two water stage recorders on two channels in Sec. 2, T. 35 N., R. 11 E., $\frac{1}{2}$ mile upstream from mouth, and 2 miles north of La Sausés. Stream enters Rio Grande River through two channels and published record is combined flow.

Drainage Area—887 square miles. Zero of gage (North Channel) is 7,495.02 feet above mean sea level.

Records Available—March 29, 1921 to September 30, 1944:

Maximum discharge during period 1921-1944; 3,890 second feet, May 15, 1941.

Maximum Discharge—Year 1943; 1,270 second feet, May 3.

Maximum Discharge—Year 1944; 3,260 second feet, May 17.

Accuracy—Records considered good.

Diversions for irrigation above station.

SAN ANTONIO RIVER NEAR ORTIZ, COLORADO

Location—Water stage recorder in New Mexico, in Sec. 19, T. 32 N., R. 9 E., $\frac{1}{4}$ mile south of Colorado-New Mexico State line, $\frac{1}{2}$ mile south of Ortiz, and $\frac{1}{2}$ mile upstream from Los Pinos Creek.

Drainage Area—110 square miles.

Records Available—January 1 to October 31, 1915, May 1, 1919 to October 31, 1920, October 1, 1924 to September 30, 1944.

Maximum discharge during period 1915, 1919-1920, 1924-1944; 1,750 second feet, April 15, 1937, from rating curve extended above 1,100 second feet. Gage height 5.38 feet.

Maximum Discharge—Year 1943; 399 second feet, April 24. Gage height 2.87 feet.

Maximum Discharge—Year 1944; 955 second feet, May 14. Gage height 4.19 feet.

Accuracy—Records considered good except those during winter periods, November 10, 1942 to April 2, 1943, November 29, 1943 to April 18, 1944, which were computed on basis of 4 and 7 discharge measurements and weather records, and are fair.

Small diversions for irrigation above station.

SAN ANTONIO RIVER AT MOUTH NEAR MANASSA, COLORADO

Location—Water stage recorder in Sec. 21, T. 34 N., R. 10 E., near highway crossing, 1 mile upstream from mouth and 2½ miles east of Manassa.

Drainage Area—348 square miles.

Records Available—April 1, 1923 to September 30, 1944.

Maximum discharge during period 1923-1944; 2,620 second feet, May 14, 1941, from rating curve extended above 2,200 second feet. Gage height 6.26 feet.

Maximum Discharge—Year 1943; 941 second feet, April 26. Gage height 5.03 feet.

Maximum Discharge—Year 1944; 1,690 second feet, May 16. Gage height 6.02 feet.

Accuracy—Records considered good except those for periods of ice effect, November 13, 1942 to March 17, 1943, December 3, 1943 to March 30, 1944, which were based on discharge measurements and weather records, and are fair.

Diversions for irrigation above station.

LOS PINOS RIVER NEAR ORTIZ, COLORADO

Location—Water stage recorder in New Mexico in N½ Sec. 34, T. 32 N., R. 8 E., 1 mile south of Colorado-New Mexico State line, 2 miles southwest of Ortiz, and 2½ miles upstream from mouth.

Drainage Area—167 square miles. Altitude 8,100 feet above mean sea level.

Records Available—January 1, 1915 to November 30, 1920, October 1, 1924 to September 30, 1944.

Maximum discharge during period 1914-1920, 1924-1944: 3,160 second feet, May 12, 1941, from rating curve extended above 1,610 second feet, Gage height 5.77 feet.

Maximum Discharge—Year 1943; 1,370 second feet, May 2. Gage height 4.28 feet.

Maximum Discharge—Year 1944; 3,030 second feet, May 15, from rating curve extended above 1,610 second feet. Gage height 5.69 feet.

Accuracy—Records considered good except those for periods of ice effect, November 9, 1942 to March 15, 1943, and November 26, 1943 to March 31, 1944, which were computed on basis of discharge measurements and weather records, and are fair. Discharges were estimated during periods of missing gage heights, May 18-23, 1943, October 6-10, 1943.

Diversions for irrigation above station.

CULEBRA RIVER AT SAN LUIS, COLORADO

Location—Water stage recorder and 12 foot Parshall flume in Sec. 35, T. 3 N., R. 72 W., (Beaubien Grant survey) 1 mile southeast of San Luis and $1\frac{1}{2}$ miles upstream from Rito Seco.

Drainage Area—220 square miles.

Records Available—May 1, 1909 to September 2, 1919, April 1, 1927 to September 30, 1944.

Maximum discharge during period 1909-1919, 1927-1944; 595 second feet, May 30, 1942, from rating curve extended above 300 second feet. Gage height 4.84 feet.

Maximum Discharge—Year 1943; 290 second feet, July 22 from rating curve extended above 200 second feet. Gage height 3.34 feet.

Maximum Discharge—Year 1944; 448 second feet, July 5, from rating curve extended above 260 second feet. Gage height 3.93 feet.

Accuracy—Records considered good except those for periods of ice effect, January 5-14, 1943, January 1-9, 11-16, 19-20, 27, 1944, which were estimated, and are fair, and those during periods of missing gage heights, March 21-29, 1943, December 18-19, 1943, July 21, 23, 27-29, August 1-6, 1944, which were computed on basis of discharge measurements and records of Culebra River below Mill, and are fair.

Diversions for irrigation and storage above station. Flow regulated by Sanchez Reservoir, capacity 103,000 acre feet.

CULEBRA RIVER BELOW SAN LUIS, COLORADO

Location—Water stage recorder in Sec. 27, T. 3 N., R. 72 W., (Beaubien Grant Survey) 500 feet downstream from bridge on State Highway No. 159, 600 feet downstream from Rito Seco, and $\frac{1}{4}$ mile southwest of San Luis. The tail-race from San Luis mill enters immediately upstream.

Drainage Area—255 square miles.

Records Available—August 13, 1938 to September 30, 1944.

Maximum discharge during period 1938-1944; 866 second feet, May 30, 1942, from rating curve extended above 400 second feet. Gage height 4.54 feet.

Maximum Discharge—Year 1943; 410 second feet, July 29. Gage height 3.05 feet.

Maximum Discharge—Year 1944; 650 second feet, July 5. Gage height 3.75 feet.

Accuracy—Records considered good except those for periods of ice effect, December 21-24, December 29, 1942 to March 22, 1943, December 11, 1943 to February 24, 1944, and those for periods of missing gage heights, October 1-5, 1942, November 11-16, 21-22, 24-30, 1942, March 25-28, 1943, April 2-5, 9-11, 14-26, July 21-26, September 18-20, 1943, which were computed on basis of discharge measurements, weather records, and comparison with record of Culebra River above San Luis, and are fair.

Diversions for irrigation and storage above station.

CLOSED BASIN IN SAN LUIS VALLEY, COLORADO**LA GARITA CREEK NEAR LA GARITA, COLORADO**

Location—Water stage recorder in Sec. 10, T. 41 N., R. 6 E., at Curby Ranch, 4 miles southwest of La Garita postoffice.

Drainage Area—61 square miles.

Records Available—April 1, 1919 to September 30, 1944.

Maximum discharge during period 1919-1944; 457 second feet, May 16, 1941, from rating curve extended above 220 second feet. Gage height 5.11 feet.

Maximum Discharge—Year 1943; 418 second feet, August 16, from rating curve extended above 120 second feet. Gage height 3.00 feet.

Maximum Discharge—Year 1944; 226 second feet, May 15. Gage height 1.68 feet.

Accuracy—Records considered fair.

Diversions for irrigation above station.

CARNERO CREEK NEAR LA GARITA, COLORADO

Location—Water stage recorder in Sec. 26, T. 42 N., R. 6 E., at O'dell Ranch, 3 miles northwest of La Garita.

Drainage Area—117 square miles.

Records Available—April 1, 1919 to September 30, 1944.

Maximum discharge during period 1919-1944; 715 second feet, July 19, 1944. Gage height 3.21 feet.

Maximum Discharge—Year 1943; 520 second feet August 12, from rating curve extended above 180 second feet. Gage height 2.55 feet.

Maximum Discharge—Year 1944; 715 second feet, July 19, from rating curve extended above 190 second feet. Gage height 3.21 feet.

Accuracy—Records considered fair.

Diversions for irrigation above station.

SAGUACHE CREEK NEAR SAGUACHE, COLORADO

Location—Water stage recorder in Sec. 11, T. 45 N., R. 6 E., at Ward's Ranch, 10 miles northwest of Saguache.

Drainage Area—595 square miles.

Records Available—August 7, 1910 to September 23, 1912. June 1, 1914 to September 30, 1944.

Maximum discharge during period 1910-1912, 1914-1944; 746 second feet, June 15, 1921. Gage height 3.45 feet, datum then in use.

Maximum Discharge—Year 1943; 165 second feet, August 19. Gage height 1.25 feet.

Maximum Discharge—Year 1944; 615 second feet, May 16. Gage height 3.32 feet.

Accuracy—Records considered good except those for period of missing gage heights, November 13-16, 1942, October 26-28, November 7-18, 1943, and during periods of ice effect, November 17 to November 30, 1942, November 28-30, 1943, December 4-6, December 26, 1943 to March 31, 1944, which were estimated, and are fair.

Diversions for irrigation above station.

KERBER CREEK AT ASHLEY RANCH NEAR VILLA GROVE, COLORADO

Location—Water stage recorder in Sec. 7, T. 46 N., R. 8 E., at Ashley Ranch 10 miles west of Villa Grove.

Drainage Area 38 square miles.

Records Available—June, 1923 to September, 1926, May, 1936 to September 30, 1944.

Maximum discharge during period 1923-1926, 1936-1944; 407 second feet, May 14, 1941, from rating curve extended above 150 second feet. Gage height 3.88 feet.

Maximum Discharge—Year 1943; 86 second feet, May 1. Gage height 2.49 feet.

Maximum Discharge—Year 1944; 120 second feet, May 15. Gage height 2.97 feet.

Accuracy—Records considered good except those during periods of ice effect, November 9-30, 1942, November 1-30, 1943, and those during periods of missing gage heights, April 1-7, 1943, October 20-31, 1943 and April 1-May 8, 1944, June 1-21, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

No diversions above station.

NORTH CRESTONE CREEK NEAR CRESTONE, COLORADO

Location—Water stage recorder in Sec. 5, T. 43 N., R. 12 E., $1\frac{1}{2}$ miles upstream from Crestone and 3 miles upstream from South Crestone Creek.

Drainage Area—10.7 square miles.

Records Available—1915, May, 1936 to September 30 1944.

Maximum discharge during period 1936-1944; 735 second feet, by slope area method, August 6, 1936. Gage height 4.33 feet.

Maximum Discharge—Year 1943; 265 second feet, June 30. Gage height 2.63 feet.

Maximum Discharge—Year 1944; 102 second feet, May 30. Gage height 1.87 feet.

Accuracy—Records considered good, except those during period of missing gage heights, October 6-7, 10, 24-25, 31 to November 1, 1942, October 20-31, 1943, April 1-18, June 6-21, July 24-27, 1944, which were estimated.

No Diversions above station.

Discharge of Rio Grande River at Thirty Mile Bridge Near Creede, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	36	39	3.0	3.0	3.0	3.0	38	1200	1360	530	317	302
2....	31	39	3.0	3.0	3.0	3.0	76	1150	1310	463	268	252
3....	31	39	3.0	3.0	3.0	3.0	88	996	1080	438	227	222
4....	31	40	3.0	3.0	3.0	3.0	109	1130	697	375	201	201
5....	31	41	3.0	3.0	3.0	3.0	138	1280	463	324	185	187
6....	31	44	3.0	3.0	3.0	3.0	165	1050	479	320	185	176
7....	31	48	3.0	3.0	3.0	3.0	173	627	523	292	198	165
8....	31	58	3.0	3.0	3.0	3.0	173	479	634	271	189	154
9....	7.0	63	3.0	3.0	3.0	3.0	156	495	726	258	187	150
10....	2.0	63	3.0	3.0	3.0	3.0	125	347	740	255	189	144
11....	1.0	63	3.0	3.0	3.0	3.0	101	268	770	236	233	134
12....	18	41	3.0	3.0	3.0	3.0	90	255	740	214	236	125
13....	67	3.0	3.0	3.0	3.0	3.0	101	271	661	211	230	133
14....	79	3.0	3.0	3.0	3.0	3.0	106	302	542	203	222	136
15....	79	3.0	3.0	3.0	3.0	3.0	129	302	517	264	196	124
16....	79	3.0	3.0	3.0	3.0	3.0	173	275	548	198	198	120
17....	79	3.0	3.0	3.0	3.0	3.0	194	236	548	173	203	118
18....	79	3.0	3.0	3.0	3.0	3.0	288	233	600	162	255	117
19....	79	3.0	3.0	3.0	3.0	3.0	275	252	607	158	320	112
20....	79	3.0	3.0	3.0	3.0	3.0	351	327	661	180	474	101
21....	79	3.0	3.0	3.0	3.0	3.0	495	392	704	178	392	96
22....	104	3.0	3.0	3.0	3.0	3.0	580	400	711	182	309	88
23....	132	3.0	3.0	3.0	3.0	3.0	654	384	697	180	225	86
24....	141	3.0	3.0	3.0	3.0	3.0	647	548	668	196	211	88
25....	149	3.0	3.0	3.0	3.0	3.0	682	748	690	194	230	90
26....	153	3.0	3.0	3.0	3.0	3.0	690	926	668	169	206	93
27....	141	3.0	3.0	3.0	3.0	3.0	690	748	614	187	230	99
28....	138	3.0	3.0	3.0	3.0	3.0	726	786	600	189	203	107
29....	115	3.0	3.0	3.0	....	3.0	801	924	627	171	261	99
30....	77	3.0	3.0	3.0	....	3.0	969	1070	600	201	320	88
31....	55	....	3.0	3.0	....	13	....	1270	....	275	392	....
Total	2185.0	632.0	93.0	93.0	84.0	103	9983	19681	20785	7647	7692	4107
Mean..	70.5	21.1	3.0	3.0	3.0	3.32	333	635	693	247	248	137
Max...	153	63	3.0	3.0	3.0	13	969	1280	1360	530	474	302
Min...	1.0	3.0	3.0	3.0	3.0	3.0	38	233	463	158	185	86
Acre-ft.	4330	1250	184	184	167	204	19800	39040	41230	15170	15260	8150

Total run-off for period=145,000 acre-feet.

Discharge of Rio Grande River at Thirty Mile Bridge Near Creede, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	87	69	3	3	3	3	3	12	1210	1330	512	171
2....	91	49	3	3	3	3	3	12	1210	1370	517	122
3....	87	70	3	3	3	3	3	12	1210	1300	542	93
4....	82	65	3	3	3	3	3	13	1200	1110	580	72
5....	80	76	3	3	3	3	3	13	1200	917	607	60
6....	77	65	3	3	3	3	3	14	1200	951	756	58
7....	76	65	3	3	3	3	3	14	327	951	756	57
8....	74	65	3	3	3	3	3	14	140	943	740	55
9....	73	65	3	3	3	3	3	14	144	850	726	54
10....	73	65	3	3	3	3	3	14	154	756	718	52
11....	73	65	3	3	3	3	3	17	295	733	711	51
12....	77	65	3	3	3	3	3	20	778	654	711	39
13....	70	35	3	3	3	3	3	86	1210	726	647	33
14....	78	3	3	3	3	3	3	574	1910	770	593	33
15....	78	3	3	3	3	3	3	943	2150	682	512	33
16....	78	3	3	3	3	3	3	1200	1850	567	490	33
17....	76	3	3	3	3	3	3	748	1370	458	485	40
18....	73	3	3	3	3	3	3	548	1080	614	485	48
19....	84	3	3	3	3	3	3	548	1480	770	479	61
20....	68	3	3	3	3	3	3	555	2050	960	479	66
21....	70	3	3	3	3	3	3	555	1990	917	453	62
22....	81	3	3	3	3	3	3	107	1750	891	448	60
23....	70	3	3	3	3	3	3	38	1590	866	443	60
24....	72	3	3	3	3	3	3	41	1530	786	418	60
25....	67	3	3	3	3	3	3	43	1710	891	405	60
26....	74	3	3	3	3	3	3	11	268	1710	825	60
27....	72	3	3	3	3	3	3	50	614	1680	627	388
28....	83	3	3	3	3	3	3	70	620	1550	555	400
29....	82	3	3	3	3	3	3	96	1000	1350	474	400
30....	82	3	3	3	....	3	3	43	1200	1290	438	375
31....	64	....	3	3	....	3	....	1200	....	474	320	....
Total	2372	870	93	93	87	93	345	11057	38318	25156	16501	1864
Mean..	76.5	29.0	3.0	3.0	3.0	3.0	11.5	357	1277	811	532	62.1
Max...	91	76	3.0	3.0	3.0	3.0	96	1200	2150	1370	756	171
Min...	64	3.0	3.0	3.0	3.0	3.0	3.0	12	140	438	320	33
Acre-ft.	4700	1730	184	184	173	184	684	21930	76000	49900	32730	3700

Total run-off for period=192,100 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Rio Grande River at Wason Below Creede, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	191	214	120	105	115	103	238	2030	2040	1200	680	748
2....	182	211	154	109	120	101	316	2100	2260	954	652	620
3....	178	207	142	104	115	97	421	2040	1820	879	587	554
4....	172	204	134	98	100	93	457	2120	1390	800	548	511
5....	166	218	126	*95	114	83	499	2140	1090	695	548	475
6....	166	201	118	97	108	95	568	1930	1040	652	505	433
7....	166	194	103	105	109	99	517	1480	1100	646	523	395
8....	166	201	93	108	112	101	433	1140	1220	620	493	370
9....	163	201	107	109	118	86	410	1060	1350	658	487	365
10....	145	198	119	110	105	88	334	954	1470	646	535	347
11....	139	201	117	112	108	90	286	839	1620	620	554	329
12....	148	201	114	114	117	86	250	815	1520	606	548	316
13....	218	191	113	116	114	85	266	800	1420	580	594	320
14....	235	151	*110	119	113	88	295	792	1240	561	580	347
15....	231	154	114	120	114	92	334	762	1130	658	574	334
16....	228	154	120	117	115	81	410	725	1130	626	574	320
17....	228	120	120	89	117	85	415	658	1130	548	587	316
18....	224	126	114	74	118	95	493	652	1220	493	688	316
19....	214	126	108	75	*112	86	672	665	1220	469	792	295
20....	214	139	105	84	131	86	718	748	1260	580	808	274
21....	214	93	103	104	128	88	855	831	1300	587	887	262
22....	214	99	108	115	103	99	1020	855	1280	613	725	246
23....	266	166	112	112	101	105	1240	823	1280	587	620	231
24....	303	154	112	103	103	103	1290	989	1260	574	542	231
25....	307	134	111	96	99	99	1280	1380	1220	561	529	231
26....	329	118	103	83	113	107	1330	1590	1250	499	542	238
27....	324	157	92	87	111	134	1300	1490	1210	487	554	254
28....	307	148	93	96	105	163	1340	1440	1170	523	505	286
29....	329	123	95	108	....	188	1460	1790	1250	487	561	274
30....	250	157	98	113	....	214	1670	1770	1340	417	646	274
31....	228	....	97	110	....	214	....	1930	....	613	808	....
Total	6845	4961	3475	3187	3138	3334	21117	39338	40230	19439	18776	10512
Mean.	221	165	112	103	112	108	704	1269	1341	627	606	350
Max..	329	218	154	120	131	214	1670	2140	2260	1200	887	748
Min..	139	93	92	74	99	83	238	652	1040	417	487	231
Ac.-ft.	13580	9840	6890	6320	6220	6610	41880	78030	79800	38560	37240	20850

Total run-off for period=345,800 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Rio Grande River at Wason Below Creede, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	254	188	92	71	80	98	105	469	3570	2340	1030	680
2....	254	178	88	76	76	100	107	457	3460	2380	1150	487
3....	246	198	93	84	74	103	107	360	3060	2270	1180	421
4....	242	221	99	85	76	110	123	365	2660	2140	1280	380
5....	228	235	94	*86	84	108	145	548	2500	1880	1340	347
6....	224	211	92	86	88	103	191	702	2630	1970	1510	329
7....	221	157	86	90	88	96	224	830	2570	1860	1560	324
8....	228	160	80	86	90	92	238	882	1960	1700	1510	320
9....	228	207	72	76	90	98	235	946	2250	1640	1520	316
10....	221	207	71	74	84	104	214	954	2420	1480	1540	312
11....	218	191	74	76	80	110	228	852	2560	1390	1480	307
12....	238	198	78	72	74	114	291	1000	2750	1270	1450	303
13....	224	188	80	68	76	120	295	1570	3040	1190	1380	282
14....	228	139	76	66	70	130	221	2250	3480	1260	1330	274
15....	228	123	70	66	74	120	204	3060	3970	1230	1250	198
16....	228	120	69	70	78	110	198	3730	3820	1110	1180	172
17....	224	115	*88	68	80	104	185	3090	3110	986	1180	163
18....	214	120	92	68	82	88	191	2040	2600	1080	1210	185
19....	250	113	93	68	80	103	194	1980	2880	1220	1140	204
20....	231	113	92	66	78	103	201	2170	3550	1520	1130	211
21....	207	113	88	68	90	103	182	2250	3730	1510	1100	198
22....	224	126	83	70	*100	101	166	2290	3390	1380	1070	182
23....	224	109	78	70	94	97	178	2320	3090	1380	1040	178
24....	211	113	74	80	96	101	214	2510	3040	1360	1040	178
25....	221	90	70	81	108	95	238	2350	3160	1380	1000	191
26....	224	93	70	80	104	95	250	2180	3260	1400	986	207
27....	224	72	70	77	101	88	375	2320	3110	1240	946	224
28....	228	65	74	76	98	86	469	2270	2860	1110	938	211
29....	291	*61	68	82	96	86	433	2990	2580	1070	922	214
30....	246	74	67	76	....	88	410	3660	2390	986	906	207
31....	242	....	70	78	....	97	....	3620	....	986	792	....
Total	7171	4298	2491	2340	2489	3151	6812	57015	89450	45718	37090	8205
Mean.	231	143	80.4	75.5	85.8	102	227	1839	2982	1475	1196	274
Max..	291	235	99	90	108	130	469	3730	3970	2380	1560	680
Min..	207	61	67	66	70	86	105	360	1960	986	792	163
Ac.-ft.	14220	8520	4940	4640	4940	6250	13510	113100	177400	90680	73570	16270

Total run-off for period=528,000 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Rio Grande River Near Del Norte, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	275	344	215	205	228	200	398	2820	2820	1760	754	905
2....	275	332	215	205	245	170	458	3000	3250	1390	746	754
3....	270	326	240	209	230	190	603	2990	2810	1220	666	682
4....	260	320	225	210	*227	195	722	2990	2240	1140	626	626
5....	255	296	210	*210	238	180	738	2910	1800	993	634	575
6....	250	296	195	208	230	160	894	2720	1660	927	596	533
7....	250	302	172	211	230	190	850	2340	1710	916	589	498
8....	245	285	168	217	238	215	714	1810	1830	872	568	464
9....	235	308	200	221	240	200	682	1620	2000	894	554	458
10....	245	285	230	239	222	194	596	1520	2110	842	626	452
11....	326	280	210	249	230	193	498	1320	2370	802	610	428
12....	368	290	230	251	238	200	452	1290	2240	754	642	410
13....	356	296	240	256	248	210	446	1270	2060	682	650	398
14....	362	296	*246	261	257	203	519	1240	1860	666	674	434
15....	368	296	255	260	265	190	603	1190	1700	722	642	428
16....	368	290	275	260	269	180	714	1140	1670	754	690	410
17....	368	250	272	245	272	192	674	1070	1660	642	666	398
18....	362	245	264	180	274	190	714	1060	1730	589	754	410
19....	344	240	262	150	*275	175	938	1050	1770	554	927	392
20....	332	250	250	190	272	185	1090	1120	1800	589	927	362
21....	326	215	237	220	280	189	1210	1250	1840	642	1020	344
22....	326	225	250	238	285	188	1450	1260	1830	674	842	326
23....	338	285	270	230	315	186	1780	1260	1800	674	738	302
24....	374	255	265	215	310	186	1980	1410	1760	658	642	296
25....	386	255	260	185	310	186	1950	1920	1690	634	626	296
26....	392	205	240	170	295	195	2050	2240	1700	582	642	302
27....	404	210	199	180	280	235	1970	2160	1640	540	642	320
28....	398	260	208	205	250	290	1970	2160	1560	554	642	350
29....	422	205	222	212	....	350	2160	2610	1640	540	674	356
30....	398	230	229	228	....	404	2410	2640	1970	568	762	362
31....	320	....	210	222	....	398	....	2720	....	698	960	....
Total	10198	8172	7164	6742	7253	6619	32233	58100	58520	24472	21731	13271
Mean.	329	272	231	217	259	214	1074	1874	1951	789	701	442
Max..	422	344	275	261	315	404	2410	3000	3250	1760	1020	905
Min..	235	205	168	150	222	160	398	1050	1560	540	554	296
Ac.-ft.	20230	16210	14210	13370	14390	13130	63930	115200	116100	48540	43100	26320

Total run-off for period=504,700 acre-feet.

*Water discharge measurement made on this day.

Discharge of Rio Grande River Near Del Norte, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	356	260	165	175	190	210	320	762	6110	3540	1160	778
2....	338	220	*172	188	160	*213	330	872	6020	3580	1260	603
3....	338	235	180	192	*170	230	315	738	5330	3440	1290	519
4....	326	270	190	203	195	245	370	682	4540	3310	1380	470
5....	308	302	210	*198	195	240	*420	905	4050	3080	1450	446
6....	308	314	210	205	195	220	484	1390	4200	3190	1570	422
7....	302	225	208	210	205	215	575	1800	4600	2930	1690	422
8....	302	205	203	185	195	225	610	1980	3920	2630	1640	416
9....	302	270	196	165	210	244	618	2130	4410	2540	1660	404
10....	302	320	165	165	180	264	519	2260	4670	2320	1670	398
11....	296	302	160	178	155	290	498	1920	4780	2140	1600	398
12....	320	285	188	168	145	330	596	2300	4780	1970	1590	380
13....	320	285	180	155	170	360	666	3230	4890	1800	1500	368
14....	308	260	172	150	140	380	491	4050	5190	1860	1460	362
15....	314	215	165	150	165	350	440	5580	5740	1810	1380	332
16....	308	205	160	160	165	330	422	6470	5630	1710	1300	270
17....	308	205	*210	160	170	310	386	6230	4940	1550	1270	250
18....	302	210	215	155	180	330	404	4090	4300	1520	1320	235
19....	332	200	219	160	160	280	404	3880	4450	1660	1260	255
20....	356	200	220	*150	150	300	434	4240	5170	2100	1260	260
21....	302	190	215	155	200	280	398	4410	5530	2050	1220	260
22....	302	200	208	162	*210	260	356	4690	5280	1830	1170	250
23....	320	220	195	180	190	*255	362	4850	4760	1740	1150	240
24....	302	200	182	192	190	275	470	5350	4740	1710	1150	240
25....	302	162	168	190	250	300	561	5070	4800	1670	1110	255
26....	308	162	164	185	230	310	596	4490	4820	1730	1070	285
27....	308	122	164	180	220	285	762	4370	4670	1550	1040	308
28....	314	174	172	175	215	265	861	4090	4300	1360	993	314
29....	410	178	165	185	205	250	778	5030	3950	1320	982	320
30....	380	162	155	170	....	280	690	5920	3760	1200	971	314
31....	314	....	180	180	....	310	....	6020	....	1150	894	....
Total	9908	6758	5756	5426	5395	8636	15136	109799	144330	65990	40460	10774
Mean.	320	225	186	175	186	279	505	3542	4811	2129	1305	359
Max..	410	320	220	210	250	380	861	6470	6110	3580	1690	778
Min..	296	122	155	150	140	210	315	682	3760	1150	894	235
Ac.-ft.	19650	13400	11420	10760	10700	17130	30020	217800	286300	130900	80250	21370

*Discharge measurement made on this day.

Total run-off for period=849,700 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Rio Grande River Near Monte Vista, Colo., for Year Ending Sept. 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	9.6	11	230	....	....	230	23	883	1050	646	170	308
2....	19	9.6	209	....	....	218	15	1040	1160	578	95	203
3....	35	8.2	253	....	....	209	23	1020	960	484	89	121
4....	41	16	243	....	....	209	112	904	606	443	105	89
5....	44	15	224	....	....	230	167	988	596	327	121	64
6....	33	9.6	197	....	....	206	243	796	624	194	109	35
7....	36	9.6	167	....	....	203	301	680	738	154	89	23
8....	39	10	148	....	....	200	221	565	749	126	89	28
9....	41	9.6	....	....	....	218	129	467	744	143	87	50
10....	43	12	....	....	....	203	91	488	738	129	97	51
11....	41	18	....	....	....	126	36	447	904	93	87	48
12....	33	48	....	....	....	107	20	502	841	80	50	44
13....	39	129	....	....	....	97	19	493	716	61	55	43
14....	72	167	....	....	....	95	15	455	632	44	74	48
15....	82	156	....	....	....	95	28	451	619	93	80	55
16....	64	175	....	....	....	89	29	391	660	175	89	48
17....	35	218	....	....	....	141	39	355	655	117	82	44
18....	32	200	....	....	....	119	22	321	655	80	87	39
19....	22	206	....	....	....	93	21	298	675	57	173	39
20....	14	209	....	....	....	154	151	327	675	59	230	38
21....	10	206	....	....	....	72	294	431	716	95	237	38
22....	9.6	167	....	....	....	61	419	480	700	114	240	38
23....	8.9	156	....	....	254	59	592	480	665	114	131	38
24....	8.2	200	....	....	249	70	716	520	632	80	72	36
25....	46	243	....	....	240	53	619	790	596	61	36	36
26....	48	218	....	....	227	21	628	827	610	89	64	44
27....	48	200	....	....	227	18	552	862	588	80	91	64
28....	39	249	....	....	230	16	538	796	565	100	46	51
29....	23	227	....	....	....	15	674	946	601	117	33	53
30....	50	218	....	....	....	20	749	869	744	114	74	57
31....	35	....	....	....	....	32	....	876	....	151	224	....
Total	1100.3	3720.6	7283	6882	7345	3679	7486	19748	21414	5198	3306	1873
Mean.	35.5	124	235	222	262	119	250	637	714	168	107	62.4
Max..	82	249	....	....	....	230	749	1040	1160	646	240	308
Min..	8.2	8.2	....	....	....	15	15	298	565	44	33	23
Acre-ft.	2180	7380	14450	13650	14570	7300	14850	39170	42470	10310	6560	3720

Total run-off for period=176,600 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Rio Grande River Near Monte Vista, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	76	12	173	168	167	184	109	121	4260	1570	97	76
2....	93	10	173	178	155	167	102	156	4260	1560	87	80
3....	97	11	167	185	148	165	105	112	3640	1440	84	64
4....	95	10	173	187	165	162	114	55	2730	1410	89	70
5....	78	10	172	190	172	162	146	29	1940	1400	151	68
6....	76	10	186	194	180	170	233	304	1760	1680	105	66
7....	82	18	198	197	180	221	278	738	2070	1480	159	57
8....	68	97	205	202	182	162	324	1040	1480	1170	151	66
9....	61	192	202	200	190	162	358	1100	1620	1010	162	66
10....	64	256	188	165	190	170	298	1250	1990	841	175	64
11....	61	272	170	170	170	194	259	890	2160	642	154	70
12....	61	249	162	180	143	233	314	939	2230	369	167	70
13....	61	243	170	164	130	291	399	1720	2250	314	178	72
14....	61	218	165	155	135	227	324	2780	2590	419	109	72
15....	59	206	160	160	135	224	206	3950	3070	351	80	76
16....	59	192	155	172	138	184	175	5150	3330	291	44	70
17....	57	186	155	170	143	175	151	5580	2740	265	39	72
18....	51	189	200	180	150	141	89	3900	1950	227	68	68
19....	48	194	210	195	155	209	76	2890	1710	308	59	61
20....	41	189	215	*190	140	243	76	3020	2210	680	33	48
21....	35	186	217	175	150	224	38	3210	2940	685	43	46
22....	21	189	215	175	*162	209	30	3370	2890	534	28	39
23....	15	209	205	178	170	175	25	3450	2340	455	23	33
24....	13	206	188	185	175	184	14	3690	2200	399	30	38
25....	11	192	165	190	160	189	57	3540	2240	358	51	38
26....	10	167	157	189	190	212	93	2740	2370	376	23	50
27....	10	141	152	177	185	192	121	2230	2580	294	18	50
28....	10	114	153	165	180	178	249	1830	2210	159	16	50
29....	12	148	155	162	180	175	294	2560	1720	84	21	39
30....	15	173	150	162	....	181	165	3690	1530	87	38	35
31....	15	....	165	163	....	178	....	4140	....	80	64	....
Total	1516	4489	5521	5523	4720	5943	5222	70174	73060	20938	2546	1774
Mean.	48.9	150	178	173	163	192	174	2264	2435	675	82.1	59.1
Max..	97	272	217	202	190	243	399	5580	4260	1680	178	80
Min..	10	10	150	155	135	141	14	29	1480	80	16	33
Acre-ft.	3010	8900	10950	10950	9360	11790	10360	139200	144900	41530	5050	3520

Total run-off for period=399,500 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Rio Grande River at Alamosa, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	16	20	220	....	....	238	41	30	58	98	37	35
2....	16	18	236	....	....	232	40	44	77	85	47	51
3....	16	17	241	....	....	230	39	60	65	85	42	42
4....	16	16	255	....	....	234	38	60	68	69	35	36
5....	16	18	238	....	....	234	37	59	49	48	30	32
6....	14	20	230	....	....	232	50	88	38	44	29	29
7....	14	22	....	....	....	224	68	64	37	39	31	26
8....	14	25	....	....	....	220	74	39	36	30	29	23
9....	14	28	....	....	....	222	62	35	51	28	27	22
10....	14	30	....	....	....	230	49	29	65	28	28	21
11....	16	32	....	....	....	184	44	26	68	29	28	21
12....	17	34	....	....	....	119	39	21	107	29	38	20
13....	19	36	....	....	....	86	38	19	118	28	38	19
14....	19	86	....	....	....	66	37	20	118	28	36	18
15....	19	113	....	....	....	60	36	29	63	30	34	17
16....	19	68	....	....	....	99	35	48	43	32	33	16
17....	19	58	....	....	....	62	33	53	49	36	31	16
18....	19	74	....	....	....	70	29	49	47	36	36	16
19....	42	75	....	....	....	63	27	43	44	38	35	16
20....	49	78	....	....	....	60	26	44	49	37	35	16
21....	48	78	....	....	....	72	26	37	41	33	36	14
22....	41	94	....	....	....	61	37	36	48	33	35	14
23....	41	74	....	....	*264	58	48	43	53	31	33	14
24....	34	86	....	....	....	56	37	41	55	33	31	14
25....	26	78	....	....	....	53	60	37	56	33	28	14
26....	26	121	....	....	....	50	39	59	48	32	28	15
27....	26	127	....	....	243	48	42	43	45	31	28	15
28....	23	129	....	....	247	46	41	39	45	29	28	16
29....	23	146	....	....	....	44	32	39	43	28	30	19
30....	23	180	....	....	....	43	30	62	67	28	33	21
31....	23	....	....	....	....	42	....	60	....	29	32	....
Total	722	1981	8045	7595	7640	3738	1234	1356	1751	1217	1021	648
Mean.	23.3	66.0	260	245	273	121	41.1	43.7	58.4	39.3	32.9	21.6
Max..	49	180	....	....	....	238	74	88	118	98	47	51
Min..	14	16	....	....	....	42	26	19	36	28	27	14
Acre-ft.	1430	3930	15960	15060	15150	7410	2450	2690	3470	2410	2030	1290

Total run-off for period=73,280 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Rio Grande River at Alamosa, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	26	23	71	....	....	....	280	155	2660	1260	25	12
2....	29	28	*136	....	....	....	260	145	2780	1320	23	8.3
3....	30	12	....	....	....	....	230	131	2910	937	20	8.3
4....	32	11	....	....	....	....	220	104	2720	861	20	9.4
5....	26	11	....	....	....	....	218	84	2130	1330	18	8.3
6....	24	12	....	....	....	....	246	73	1520	1040	18	8.3
7....	21	14	....	....	....	....	310	193	1300	1280	18	9.4
8....	20	16	....	....	....	....	360	617	1400	1210	18	8.3
9....	19	37	....	....	....	....	391	782	1000	996	15	8.3
10....	18	131	....	....	....	....	423	826	1020	847	13	8.3
11....	18	204	....	....	....	....	376	876	1150	678	12	9.4
12....	17	234	....	....	....	....	349	650	1240	487	13	9.4
13....	17	238	....	....	....	....	341	739	1320	312	13	10
14....	17	253	....	....	....	....	396	1260	1320	209	13	9.4
15....	17	244	....	....	....	....	321	1710	1430	211	12	9.4
16....	17	214	....	....	....	....	238	2310	1660	166	12	9.4
17....	18	172	....	....	....	....	208	3240	1890	126	25	10
18....	19	160	....	....	....	....	179	3880	1750	93	23	10
19....	21	149	....	....	....	....	151	3120	1230	63	20	10
20....	21	128	....	*160	....	....	135	2260	1020	53	18	10
21....	22	112	....	....	*174	....	128	2210	1250	116	18	10
22....	25	75	....	....	....	....	118	2290	1580	127	16	10
23....	25	62	....	....	....	....	106	2320	1710	61	16	10
24....	25	60	....	....	....	292	100	2370	1460	56	16	10
25....	25	60	....	....	....	310	90	2390	1300	52	14	14
26....	25	59	....	....	....	323	80	2370	1320	49	14	13
27....	25	77	....	....	....	336	76	1930	1400	41	14	13
28....	25	157	....	....	....	310	78	1550	1500	37	14	12
29....	26	140	....	....	....	275	170	1280	1360	34	14	13
30....	25	84	....	....	....	290	230	1600	1030	29	12	12
31....	24	....	....	....	....	290	....	2130	....	23	12	....
Total	699	3177	5270	5115	5220	8061	6808	45595	47360	14104	509	302.9
Mean.	22.5	106	170	165	180	260	227	1471	1579	455	16.4	10.1
Max..	32	253	....	....	....	....	423	3880	2910	1330	25	14
Min..	17	11	....	....	....	....	76	73	1000	23	12	8.3
Acre-ft.	1390	6300	10450	10150	10350	15990	13500	90440	93940	27970	1010	601

Total run-off for period=282,100 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of Rio Grande River Above Mouth of Trinchera Creek Near La Sauces, Colo.,
for Year Ending Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	50	70	*270	....	....	370	102	101	133	59	23	48
2....	50	70	....	....	....	360	100	118	130	64	23	45
3....	49	71	....	....	....	340	95	155	152	75	22	55
4....	47	70	....	....	....	335	95	198	130	77	40	56
5....	45	70	....	....	*216	342	91	196	122	71	36	60
6....	42	72	....	....	....	340	98	190	104	70	65	64
7....	40	70	....	....	....	332	114	222	98	59	33	59
8....	43	77	....	....	....	325	161	161	107	49	28	54
9....	41	84	....	....	....	322	169	137	98	42	32	52
10....	41	86	....	....	....	335	154	137	79	34	30	52
11....	48	87	....	....	....	338	123	118	80	26	30	47
12....	53	100	....	....	....	270	110	111	87	22	33	44
13....	52	122	....	....	....	213	102	102	86	19	42	43
14....	53	114	....	....	....	200	94	79	95	18	43	43
15....	53	135	....	....	....	198	91	77	94	19	39	41
16....	53	161	....	....	....	200	86	75	93	18	39	41
17....	53	145	....	....	....	205	87	75	79	18	36	37
18....	55	140	....	....	....	207	84	74	70	16	37	37
19....	71	154	....	....	....	211	86	73	70	11	34	37
20....	70	155	....	....	....	202	84	72	71	22	34	36
21....	70	161	....	....	....	192	77	72	90	26	34	35
22....	68	165	....	....	....	200	79	70	79	21	36	35
23....	63	170	....	....	....	194	101	63	64	21	44	34
24....	63	173	....	....	....	163	112	68	53	19	46	34
25....	60	179	....	....	....	147	130	70	42	20	42	35
26....	60	235	....	....	....	140	150	76	37	19	36	35
27....	60	238	....	....	....	138	147	81	33	20	43	34
28....	72	222	....	....	....	130	138	100	31	18	51	34
29....	75	260	....	....	....	130	116	100	40	16	52	35
30....	71	268	....	....	....	123	104	111	48	14	66	36
31....	68	....	....	....	....	111	....	120	....	18	64	....
Total	1739	4124	8680	8370	8260	7313	3280	3402	2495	1001	1213	1298
Mean.	56.1	137	280	270	295	236	109	110	83.2	32.3	39.1	43.3
Max..	75	268	....	....	....	370	169	222	152	77	66	64
Min..	40	70	....	....	....	111	77	63	31	11	22	34
Acre-ft.	3450	8180	17220	16600	16380	14510	6510	6750	4950	1990	2410	2570

Total run-off for period=101,500 acre-feet.

*Winter discharge measurement made on this day.

**Discharge of Rio Grande River Above Mouth of Trinchera Creek Near La Sauces, Colo.,
for Year Ending Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	37	78	110	195	*207	*243	420	328	2420	1120	102	34
2....	39	76	115	190	220	260	400	294	2730	1060	93	30
3....	44	74	90	190	220	300	375	313	2850	1080	82	28
4....	47	72	170	*184	240	340	362	315	2920	1070	76	27
5....	48	70	210	180	260	380	362	308	2850	1120	68	25
6....	48	74	210	190	255	365	372	291	2360	1150	64	24
7....	47	88	220	200	265	340	405	294	1830	1310	62	22
8....	43	110	200	210	270	320	453	510	1660	1400	55	22
9....	42	120	180	190	250	350	498	822	1610	1320	52	22
10....	47	94	165	200	230	360	525	982	1330	1190	50	22
11....	48	105	170	220	225	390	531	1140	1350	1060	47	24
12....	48	150	180	200	220	410	486	1220	1400	886	44	27
13....	47	240	190	185	220	430	459	1120	1430	692	43	25
14....	48	275	*201	180	220	460	462	1300	1460	507	40	26
15....	48	280	215	190	215	480	504	1700	1460	420	39	30
16....	54	275	220	200	215	460	435	2030	1550	382	36	34
17....	66	250	220	205	*220	440	400	2470	1730	328	40	34
18....	68	211	220	200	220	480	368	3040	1840	272	54	34
19....	76	202	230	*190	220	450	342	3320	1630	228	48	33
20....	86	187	220	185	225	470	320	3360	1270	202	45	32
21....	84	164	230	190	230	510	310	2760	1180	181	44	31
22....	62	144	220	200	230	477	308	2590	1340	260	42	30
23....	66	119	215	220	235	474	294	2600	1550	244	40	25
24....	74	110	205	230	240	438	279	2600	1580	206	40	26
25....	72	100	200	230	240	435	260	2640	1400	187	42	28
26....	72	86	185	220	240	444	247	2640	1360	172	39	33
27....	66	66	170	215	235	447	242	2620	1340	156	40	38
28....	72	48	175	210	230	453	233	2250	1420	152	42	38
29....	80	58	180	205	240	420	244	1930	1480	138	39	39
30....	84	68	190	200	....	410	335	1850	1320	129	39	40
31....	78	....	190	200	....	423	....	2090	....	116	39	....
Total	1841	3994	5896	6204	6737	12659	11231	51727	51650	18738	1586	883
Mean.	59.4	133	190	200	232	408	374	1669	1722	604	51.2	29.4
Max..	86	280	230	230	270	510	531	3360	2920	1400	102	40
Min..	37	48	90	180	207	243	233	291	1180	116	36	22
Acre-ft.	3650	7920	11690	12310	13360	25110	22280	102600	102400	37170	3150	1750

Total run-off for period=343,400 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Rio Grande River Near Lobatos, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	61	96	297	320	350	454	186	848	814	143	44	110
2....	66	99	302	340	360	440	181	919	730	395	49	82
3....	71	106	347	330	330	414	172	1170	955	335	46	82
4....	71	110	302	*320	290	408	159	1280	831	276	49	96
5....	71	106	302	310	*300	440	147	1260	580	218	85	93
6....	68	113	287	320	310	434	138	1010	414	177	88	93
7....	68	110	195	308	340	414	164	866	335	147	99	93
8....	68	110	308	295	335	414	232	814	292	113	66	88
9....	68	113	292	310	315	408	276	650	266	93	66	82
10....	68	113	308	324	300	408	266	573	242	79	76	82
11....	71	110	292	330	310	421	228	494	282	66	71	82
12....	79	113	276	340	325	382	190	414	447	54	71	79
13....	90	134	287	340	330	330	164	364	530	44	71	71
14....	85	130	287	340	350	292	138	308	508	39	82	71
15....	82	155	347	340	360	318	123	261	427	49	76	71
16....	82	223	402	345	380	292	120	232	330	51	71	66
17....	79	209	408	320	390	302	123	218	282	39	68	66
18....	79	190	376	270	*400	313	151	200	242	39	74	63
19....	85	209	376	230	400	302	159	200	209	38	71	66
20....	99	209	380	240	400	297	195	181	190	36	58	66
21....	99	209	355	300	408	276	335	186	190	44	71	66
22....	103	204	340	340	454	276	544	209	172	54	76	66
23....	103	204	360	330	467	292	642	223	147	46	76	66
24....	99	223	370	300	454	266	840	209	127	42	82	66
25....	88	232	335	280	474	237	973	228	106	42	79	63
26....	85	228	320	270	481	223	1010	324	82	44	71	66
27....	96	276	305	280	467	218	1040	467	74	42	74	66
28....	96	287	310	300	447	209	901	573	56	44	82	66
29....	110	276	330	310	....	209	780	797	56	46	85	71
30....	113	324	330	325	....	209	805	892	74	44	99	74
31....	96	....	320	340	....	200	....	892	....	38	130	....
Total	2599	5221	10046	9647	10527	10098	11382	17262	9990	2917	2306	2272
Mean.	83.8	174	324	311	376	326	379	557	333	94.1	74.4	75.7
Max..	113	324	408	345	481	454	1040	1280	955	395	130	110
Min..	61	96	195	230	290	200	120	181	56	36	44	63
Acre-ft.	5160	10360	19930	19130	20880	20030	22580	34240	19810	5790	4570	4510

Total run-off for period=187,000 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Rio Grande River Near Lobatos, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	68	123	*123	239	*300	*330	551	544	4690	1890	113	49
2....	68	123	168	240	295	350	551	573	5140	1740	103	44
3....	74	116	143	240	300	380	508	780	5240	1720	88	46
4....	76	113	218	*239	310	420	481	738	5170	1730	74	44
5....	76	110	247	230	330	445	467	619	4730	1810	66	44
6....	79	110	256	248	330	480	474	698	3820	1970	61	41
7....	79	143	247	268	335	450	508	1100	2940	2130	58	42
8....	76	155	261	270	345	420	619	1830	2550	2260	56	39
9....	74	164	242	250	345	455	674	2620	2610	2070	56	44
10....	74	138	220	260	320	470	755	2860	2450	1860	54	38
11....	76	168	215	278	315	520	730	3320	2620	1660	51	36
12....	76	271	230	274	310	560	619	3140	2900	1420	71	41
13....	76	318	250	250	310	600	558	3140	2900	1100	71	42
14....	76	335	*266	250	305	640	603	3700	2880	822	63	39
15....	88	335	275	255	300	680	658	4610	2800	619	54	39
16....	90	341	280	265	300	660	596	5170	2760	544	46	44
17....	99	330	275	265	*300	620	508	5760	2840	467	41	49
18....	103	287	275	260	300	640	454	6210	2840	389	63	51
19....	116	261	280	*250	305	670	414	5700	2690	324	71	54
20....	120	256	285	248	310	619	395	5790	2230	292	68	46
21....	99	237	270	250	305	690	395	5290	2090	261	66	46
22....	96	218	280	255	320	666	389	4950	2340	261	58	42
23....	106	190	270	265	320	627	376	5000	2640	330	56	34
24....	116	172	265	290	325	611	359	5150	2710	266	58	33
25....	106	155	260	295	330	588	324	5300	2580	218	61	34
26....	106	138	240	290	325	603	297	5240	2570	186	71	39
27....	103	134	230	290	320	619	282	5020	2430	172	61	41
28....	113	99	220	290	315	611	313	4320	2400	159	61	44
29....	120	110	224	290	310	573	421	3640	2360	151	58	49
30....	130	116	228	285	....	537	515	3590	2180	134	54	51
31....	123	....	230	290	....	544	....	4090	....	127	54	....
Total	2882	5766	7473	8169	9135	17098	14794	110492	91100	29082	1986	1285
Mean.	93.0	192	241	264	315	552	493	3564	3037	938	64.1	42.8
Max..	130	341	285	295	345	690	755	6210	5240	2260	113	54
Min..	68	99	123	230	295	330	282	544	2090	127	41	33
Acre-ft.	5720	11440	14820	16200	18120	33910	29340	219200	180700	57680	3940	2550

Total run-off for period=593,600 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Clear Creek Below Continental Reservoir, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	3.5	....	....	....	....	....	11	150	113	74	77	42
2....	3.5	....	....	....	....	....	11	185	119	69	75	34
3....	3.5	....	....	....	....	....	11	193	92	69	76	30
4....	3.5	....	....	....	....	....	11	192	82	64	76	30
5....	3.5	....	....	....	....	....	11	192	84	60	76	30
6....	3.5	....	....	....	....	....	11	171	94	60	76	23
7....	3.5	....	....	....	....	....	11	152	98	64	79	20
8....	3.5	....	....	....	....	....	11	138	96	74	78	20
9....	3.5	*11	....	....	....	....	11	106	92	77	77	16
10....	3.5	....	....	....	....	....	11	86	79	77	74	14
11....	4.6	....	....	....	....	....	11	85	82	77	67	14
12....	5.5	....	....	....	....	....	11	69	87	73	65	16
13....	7.0	....	....	....	....	....	11	65	87	69	68	18
14....	7.8	....	....	....	....	....	11	63	87	68	70	18
15....	7.4	....	....	....	....	....	11	58	81	70	68	18
16....	8.6	....	....	....	....	....	11	57	77	76	65	18
17....	9.8	....	....	....	....	....	11	57	75	81	67	17
18....	9.0	....	....	....	....	....	11	56	74	82	67	16
19....	8.2	....	....	....	....	....	12	57	76	75	65	15
20....	8.2	....	....	....	....	....	12	57	69	70	66	16
21....	8.2	....	....	....	....	....	18	58	63	70	64	11
22....	8.2	....	....	....	....	....	57	58	68	68	53	9.0
23....	8.2	....	....	....	....	....	125	57	67	69	42	8.6
24....	9.8	....	....	....	....	....	125	63	64	72	34	9.0
25....	11	....	....	....	....	....	151	67	64	71	32	9.8
26....	11	....	....	....	....	....	165	84	81	80	31	11
27....	11	....	....	....	....	....	164	95	83	80	37	12
28....	11	....	....	....	....	....	143	94	82	92	44	12
29....	11	....	....	....	....	....	130	96	87	86	45	12
30....	11	....	....	....	....	....	130	113	87	82	44	11
31....	11	....	....	....	....	....	....	113	....	81	44	....
Total	222.5	330	341	341	308	341	1430	3087	2490	2280	1902	530.4
Mean.	7.18	11.0	11.0	11.0	11.0	11.0	47.7	99.6	83.0	73.5	61.4	17.7
Max..	11	....	....	....	....	....	165	193	119	92	79	42
Min..	3.5	....	....	....	....	....	11	56	63	60	31	8.6
Acre-ft.	441	655	676	676	611	676	2840	6120	4940	4520	3770	1050

Total run-off for period=26,980 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Clear Creek Below Continental Reservoir, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	12	11	11	11	11	11	11	11	161	97	61	34
2....	12	11	11	11	11	11	11	11	163	97	61	35
3....	12	11	11	11	11	11	11	11	167	97	61	30
4....	12	11	11	11	11	11	11	11	169	77	61	22
5....	12	11	11	11	11	11	11	14	169	58	70	16
6....	12	11	11	11	11	11	11	60	167	48	77	15
7....	12	11	11	11	11	11	11	75	165	27	77	14
8....	12	11	11	11	11	11	11	95	164	17	64	14
9....	12	11	11	11	11	11	11	110	165	18	59	18
10....	12	11	11	11	11	11	11	100	167	33	67	12
11....	12	11	11	11	11	11	11	90	168	50	67	11
12....	12	11	11	11	11	11	11	120	171	34	62	10
13....	12	11	11	11	11	11	11	178	154	20	54	9.8
14....	12	11	11	11	11	11	11	97	143	21	52	9.4
15....	12	11	11	11	11	11	11	32	144	39	51	9.4
16....	12	11	11	11	11	11	11	60	144	31	52	6.7
17....	12	11	11	11	11	11	11	78	145	30	52	5.5
18....	11	11	11	11	11	11	11	75	144	38	54	5.5
19....	11	11	11	11	11	11	11	75	144	46	54	5.5
20....	11	11	11	11	11	11	11	100	144	73	55	5.5
21....	11	11	11	11	11	11	11	120	144	82	54	5.5
22....	11	11	11	11	11	11	11	128	119	62	55	5.5
23....	11	11	11	11	11	11	11	136	113	49	46	5.5
24....	11	11	11	11	11	11	11	141	101	53	43	5.2
25....	11	11	11	11	11	11	11	94	93	54	43	5.2
26....	11	11	11	11	11	11	11	102	94	62	44	5.2
27....	11	11	11	11	11	11	11	140	96	66	34	5.2
28....	11	11	11	11	11	11	11	140	96	58	33	4.9
29....	11	11	11	11	11	11	11	142	95	48	31	5.2
30....	11	11	11	11	....	11	11	142	96	46	30	5.5
31....	11	....	11	11	....	11	....	147	....	54	30	....
Total	358	330	341	341	319	341	330	2835	4205	1585	1654	341.2
Mean.	11.5	11.0	11.0	11.0	11.0	11.0	11.0	91.5	140	51.1	53.4	11.4
Max..	12	11	11	11	11	11	11	178	171	97	77	35
Min..	11	11	11	11	11	11	11	11	93	17	30	4.9
Acre-ft.	710	655	676	676	633	676	655	5620	8340	3140	3280	677

Total run-off for period=25,740 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Goose Creek Near Wagon Wheel Gap, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	9.2	19	....	....	....	....	35	130	157	81	36	55
2....	11	20	....	....	....	....	34	130	181	70	31	48
3....	13	19	....	....	....	....	36	140	132	65	32	41
4....	12	19	....	....	....	....	39	157	111	60	35	40
5....	11	15	....	....	....	....	38	122	96	53	36	36
6....	10	18	....	....	....	....	41	103	88	53	31	34
7....	10	15	....	....	....	....	37	102	90	50	31	32
8....	10	19	....	....	....	....	30	90	117	49	28	30
9....	10	22	....	....	....	....	23	83	140	46	34	29
10....	10	16	....	....	....	....	21	76	143	45	55	28
11....	13	16	....	....	....	....	18	76	149	43	52	27
12....	15	16	....	....	....	....	19	78	130	41	45	25
13....	21	17	....	....	....	....	20	78	113	40	40	27
14....	18	19	*14	....	....	....	30	76	94	38	42	26
15....	20	22	....	....	....	....	40	70	94	46	41	25
16....	21	19	....	....	....	....	41	70	98	42	64	23
17....	23	14	....	....	....	....	34	65	102	37	56	22
18....	24	17	....	....	....	....	38	67	109	37	74	24
19....	22	17	....	....	....	....	42	69	107	37	80	23
20....	21	18	....	....	....	....	52	74	113	22	61	22
21....	20	12	....	....	....	....	50	76	117	34	53	20
22....	19	12	....	....	....	....	61	70	109	41	46	20
23....	21	13	....	....	....	....	74	70	106	40	43	20
24....	21	13	....	....	....	....	72	87	103	35	37	20
25....	20	13	....	....	....	....	72	109	100	36	36	20
26....	18	12	....	....	....	....	70	122	98	30	38	20
27....	19	12	....	....	....	....	74	111	85	28	37	20
28....	19	12	....	....	....	....	81	146	79	28	43	23
29....	19	12	....	....	....	....	98	169	76	29	55	22
30....	14	13	....	....	....	....	117	152	111	37	56	23
31....	17	....	....	....	....	....	....	152	....	43	61	....
Total	511.2	481	434	....	....	....	1437	3120	3348	1336	1409	825
Mean.	16.5	16.0	14.0	....	....	....	47.9	101	112	43.1	45.5	27.5
Max..	24	22	....	....	....	....	117	169	181	81	80	55
Min..	9.2	12	....	....	....	....	18	65	76	22	28	20
Acre-ft.	1010	954	861	....	....	....	2850	6190	6640	2650	2790	1640

Total run-off for period=25,580 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Goose Creek Near Wagon Wheel Gap, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	24	17	....	....	....	....	....	42	475	296	49	18
2....	25	17	....	....	....	....	....	49	451	306	48	17
3....	24	17	....	....	....	....	....	47	345	270	46	16
4....	22	19	....	....	....	....	....	55	265	265	45	15
5....	21	23	....	....	....	....	....	76	241	285	45	15
6....	20	19	....	....	....	....	....	111	278	310	45	14
7....	19	13	....	....	....	....	....	140	360	270	43	14
8....	18	14	....	....	....	....	....	154	398	218	41	14
9....	17	14	....	....	....	....	....	169	469	200	42	12
10....	17	15	....	....	....	....	....	157	505	184	40	11
11....	17	16	....	....	....	....	....	132	505	166	37	10
12....	21	16	....	....	....	....	....	190	475	149	31	10
13....	19	15	....	....	....	....	....	252	469	140	34	10
14....	19	18	....	....	....	....	....	325	481	130	32	10
15....	19	15	....	....	....	....	....	439	481	122	31	11
16....	20	14	....	....	....	....	....	457	445	111	29	11
17....	20	14	....	....	....	....	....	335	404	103	29	11
18....	19	14	....	....	....	....	....	248	404	94	30	11
19....	26	15	....	....	....	....	....	256	433	96	32	11
20....	21	15	....	....	....	....	....	288	457	146	32	10
21....	22	15	....	....	....	....	....	310	481	100	31	11
22....	22	16	....	....	....	....	....	355	445	87	27	12
23....	19	17	....	....	....	....	....	421	415	79	26	13
24....	18	17	....	....	....	....	....	439	433	78	31	15
25....	19	15	....	....	....	....	....	410	415	74	29	17
26....	19	15	....	....	....	....	....	350	415	72	28	20
27....	19	15	....	....	....	....	....	283	388	69	24	22
28....	21	15	....	....	....	....	....	288	355	63	24	21
29....	25	*16	....	....	....	....	....	404	335	60	19	20
30....	22	17	....	....	....	....	....	445	320	58	19	18
31....	22	....	....	....	....	....	....	445	....	50	20	....
Total	636	478	....	....	....	....	....	8072	12343	4651	1039	420
Mean.	20.5	15.9	....	....	....	....	....	260	411	150	33.5	14.0
Max..	26	23	....	....	....	....	....	457	505	310	49	22
Min..	17	14	....	....	....	....	....	42	241	50	19	10
Acre-ft.	1260	948	....	....	....	....	....	16010	24480	9230	2060	833

Total run-off for period=54,820 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of South Fork of Rio Grande River at South Fork, Colo., for Year Ending
Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	32	46	29	....	....	....	105	686	686	314	62	98
2....	33	51	33	....	....	....	122	744	854	262	55	95
3....	33	50	31	....	....	....	149	755	700	230	53	91
4....	33	47	35	....	....	....	166	744	552	196	57	85
5....	34	39	....	*34	....	....	187	614	499	173	63	78
6....	34	47	....	....	....	....	218	525	482	183	72	73
7....	35	39	....	....	....	....	202	503	508	198	61	66
8....	36	42	....	....	....	....	171	406	552	205	59	60
9....	38	43	....	....	....	....	164	397	562	205	66	55
10....	38	32	....	....	....	....	137	380	571	185	93	51
11....	41	33	....	....	....	....	119	355	618	162	68	49
12....	48	34	....	....	....	....	109	300	557	113	62	49
13....	66	36	....	....	....	....	117	300	503	93	65	51
14....	56	37	*43	....	....	....	153	320	458	88	66	47
15....	57	41	....	....	....	....	192	325	446	95	66	43
16....	56	38	....	....	....	....	208	300	434	88	89	*42
17....	55	33	....	....	....	....	177	270	426	76	65	40
18....	53	41	....	....	....	....	177	250	442	71	102	41
19....	51	37	....	....	*54	....	222	255	446	71	108	41
20....	48	38	....	....	....	....	270	*290	454	79	84	39
21....	49	28	....	....	....	....	281	317	450	84	71	36
22....	49	49	....	....	....	....	330	305	426	89	68	36
23....	45	49	....	....	....	45	387	330	410	83	64	36
24....	44	46	....	....	....	49	434	434	372	73	63	37
25....	42	38	....	....	....	50	462	508	339	71	62	38
26....	39	30	....	....	....	51	474	525	327	64	61	44
27....	40	31	....	....	....	57	458	525	302	60	66	45
28....	41	31	....	....	....	67	474	647	287	65	62	50
29....	45	34	....	....	....	78	508	719	281	58	61	46
30....	37	33	....	....	....	82	585	676	458	64	107	55
31....	40	....	....	....	....	87	....	642	....	74	100	....
Total	1348	1173	1235	1085	1456	1705	7758	14347	14402	3872	2201	1617
Mean..	43.5	39.1	39.8	35.0	52.0	55.0	259	463	480	125	71.0	53.9
Max..	66	51	....	....	....	....	585	755	854	314	108	98
Min..	32	28	....	....	....	....	105	250	281	58	53	36
Acre-ft.	2670	2330	2450	2150	2890	3380	15390	28460	28570	7680	4370	3210

Total run-off for period=103,600 acre-feet.

*Winter discharge measurement made on this day.

**Discharge of South Fork of Rio Grande River at South Fork, Colo., for Year Ending
Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	49	38	32	29	42	42	59	183	1450	832	91	45
2....	45	39	35	30	41	44	60	212	1420	827	88	43
3....	45	47	27	35	40	46	76	205	1270	785	85	44
4....	44	49	30	30	42	42	96	220	1050	744	83	43
5....	43	48	33	*28	43	39	138	314	949	796	81	42
6....	43	34	35	32	41	36	181	462	997	827	87	41
7....	41	32	36	33	42	38	205	535	1120	681	85	42
8....	41	32	35	30	46	40	200	642	1240	585	83	42
9....	40	41	34	32	48	43	183	710	1350	552	96	40
10....	38	44	34	34	46	45	142	690	1430	503	85	37
11....	38	41	34	35	42	48	126	618	1390	454	78	36
12....	50	41	39	34	42	50	144	765	1340	422	79	36
13....	44	41	44	33	46	49	153	949	1280	430	72	36
14....	49	40	42	34	40	45	122	1090	1280	418	68	36
15....	45	37	40	35	44	40	112	1280	1280	406	65	37
16....	44	36	33	36	46	43	106	1270	1240	402	66	41
17....	42	39	*35	35	45	50	98	1070	1150	372	66	38
18....	42	37	38	34	44	58	98	864	1110	346	65	38
19....	54	36	43	34	43	52	101	780	1140	336	69	39
20....	42	36	42	35	42	50	106	901	1200	426	76	38
21....	42	39	40	36	46	45	98	1000	1250	320	71	36
22....	49	40	41	37	*42	40	91	1140	1230	278	63	37
23....	46	37	40	37	43	*43	98	1270	1140	192	59	38
24....	44	37	36	36	44	50	140	1340	1170	183	62	40
25....	44	38	27	33	43	50	166	1320	1170	175	66	47
26....	45	35	35	39	42	49	179	1200	1140	153	62	52
27....	44	29	35	40	44	47	228	1050	1050	133	58	61
28....	50	29	30	40	44	47	212	1030	944	120	54	60
29....	74	*30	29	40	42	49	173	1200	901	117	49	58
30....	58	31	35	40	....	50	164	1340	906	117	48	48
31....	47	....	28	39	....	54	....	1390	....	99	47	....
Total	1422	1133	1097	1075	1255	1424	4055	27090	35587	13031	2207	1272
Mean..	45.9	37.8	35.4	34.7	43.3	45.9	135	874	1186	420	71.2	42.4
Max..	74	49	44	40	48	58	228	1390	1450	832	96	61
Min..	38	29	27	28	40	36	59	183	901	99	47	36
Acre-ft.	2820	2250	2180	2130	2490	2820	8040	53730	70590	25850	4380	2520

Total run-off for period=179,800 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Pinos Creek Near Del Norte, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	9.5	13	....	....	....	....	17	63	50	25	13	14
2....	9.9	10	....	....	....	....	17	68	63	21	9.2	13
3....	9.9	9.9	....	....	....	....	18	64	54	20	8.4	11
4....	9.9	*9.2	....	....	....	....	18	63	48	18	10	11
5....	9.9	9.2	....	....	....	....	20	45	42	16	12	9.9
6....	10	9.2	....	....	....	....	23	42	40	15	14	8.8
7....	10	9.2	....	....	....	....	20	50	40	15	13	8.1
8....	10	9.2	....	....	....	....	15	41	40	15	10	7.7
9....	10	9.2	....	....	....	....	16	38	40	14	16	7.7
10....	10	9.2	....	....	....	....	13	38	44	14	18	7.4
11....	10	9.2	....	....	....	....	9.9	40	46	13	13	7.0
12....	9.9	9.2	....	....	....	....	10	37	42	11	13	7.0
13....	10	9.2	....	....	....	....	14	34	37	10	12	7.4
14....	9.5	9.2	*9.2	....	....	....	17	34	34	11	12	8.8
15....	8.8	9.2	....	....	....	....	22	32	32	14	20	7.7
16....	9.9	9.2	....	....	....	....	24	30	30	12	19	7.7
17....	10	9.2	....	....	....	....	17	30	29	11	20	7.4
18....	11	9.2	....	....	....	....	17	30	28	9.9	25	7.0
19....	10	9.2	....	....	....	....	20	29	30	9.9	20	6.7
20....	9.9	9.2	....	....	....	....	26	30	29	9.9	17	6.4
21....	9.9	9.2	....	....	....	....	29	32	29	11	15	6.4
22....	10	9.2	....	....	....	....	35	30	28	20	15	6.4
23....	9.9	9.2	....	....	....	....	44	30	26	12	14	6.4
24....	9.5	9.2	....	....	....	....	52	38	26	9.9	13	6.4
25....	9.2	9.2	....	....	....	....	53	42	26	9.9	12	6.0
26....	8.8	9.2	....	....	....	....	50	42	25	8.4	15	6.7
27....	8.8	9.2	....	....	....	....	46	41	28	8.1	18	7.4
28....	9.2	9.2	....	....	....	....	47	46	23	8.1	16	7.4
29....	8.8	9.2	....	....	....	....	53	49	23	8.1	15	7.0
30....	9.9	9.2	....	....	....	....	59	50	32	15	17	8.4
31....	14	....	....	....	....	....	....	50	....	15	18	....
Total	306.1	281.3	....	....	....	....	821.9	1288	1064	410.2	462.6	240.2
Mean.	9.87	9.38	....	....	....	....	27.4	41.5	35.5	13.2	15.0	8.01
Max.	14	....	....	....	....	....	59	68	63	25	25	14
Min.	8.8	....	....	....	....	....	9.9	29	23	8.1	8.4	6.0
Acre-ft.	607	558	....	....	....	....	1630	2550	2110	814	922	476

Total run-off for period=9,670 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Pinos Creek Near Del Norte, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	7.2	6.9	6.8	6.6	8.0	8.6	10	30	207	105	18	8.6
2....	7.2	6.5	6.8	6.6	8.0	8.6	11	31	220	102	16	8.2
3....	7.2	7.4	6.8	6.6	8.0	8.6	12	29	207	100	16	8.2
4....	7.2	8.4	6.8	6.6	8.0	8.6	15	28	174	94	16	8.2
5....	6.8	9.0	6.8	6.6	8.0	8.6	17	38	160	92	16	8.2
6....	7.2	9.0	6.8	6.6	8.0	8.6	18	72	163	81	16	8.2
7....	6.8	8.6	6.8	6.6	8.0	8.6	20	102	178	73	16	8.2
8....	6.8	7.8	6.8	6.6	8.0	8.6	19	120	182	71	16	8.2
9....	7.2	5.4	6.8	6.6	8.0	8.6	17	132	203	65	18	8.2
10....	6.8	6.5	6.8	6.6	8.0	8.6	16	134	203	58	16	8.2
11....	7.2	7.6	6.8	6.6	8.0	8.6	15	111	188	52	16	8.2
12....	8.2	8.4	6.8	6.6	8.0	8.6	17	151	177	47	17	8.2
13....	8.0	9.0	6.8	6.6	8.0	8.6	19	198	174	43	16	7.9
14....	7.9	9.2	6.8	6.6	8.0	8.6	17	210	163	40	14	7.6
15....	7.9	9.6	6.8	6.6	8.0	8.6	15	265	159	37	14	7.6
16....	7.9	*10	6.8	6.6	8.0	8.6	14	259	158	34	13	8.2
17....	7.6	10	6.8	6.6	8.0	8.6	13	219	150	32	12	8.2
18....	7.2	9.8	6.8	6.6	8.0	8.6	13	181	139	30	12	8.2
19....	7.6	9.5	6.8	6.6	8.0	8.6	*15	175	137	35	12	8.2
20....	6.8	9.4	6.8	6.6	8.0	8.6	16	185	139	44	13	7.6
21....	8.6	9.6	6.8	6.6	8.0	8.6	14	195	137	31	12	6.5
22....	9.0	10	6.8	6.6	8.0	8.6	13	199	141	30	12	6.5
23....	7.6	10	6.8	6.6	8.0	8.6	14	205	138	28	12	6.5
24....	8.6	8.6	6.8	6.6	8.0	8.6	18	210	137	28	12	6.8
25....	7.6	8.8	6.8	6.6	8.0	8.6	20	212	133	27	11	7.6
26....	7.6	7.4	6.8	6.6	8.0	8.6	22	196	138	25	10	8.6
27....	7.6	5.8	6.8	6.6	8.0	8.6	29	158	129	24	10	8.2
28....	7.6	5.6	6.8	6.6	8.0	8.6	29	156	120	22	9.9	8.2
29....	9.3	5.8	6.8	6.6	8.0	8.6	26	168	113	24	9.6	8.6
30....	7.2	6.2	6.8	6.6	....	8.6	26	191	111	23	9.3	7.6
31....	7.2	....	6.8	6.6	....	8.6	....	196	....	21	8.6	....
Total	234.6	245.8	210.8	204.6	232.0	266.6	520	4756	4778	1518	419.4	237.4
Mean.	7.57	8.19	6.8	6.6	8.0	8.6	17.3	153	159	49.0	13.5	7.91
Max.	9.3	10	....	....	....	....	29	265	220	105	18	8.6
Min.	6.8	5.4	....	....	....	....	10	28	111	21	8.6	6.5
Acre-ft.	465	488	418	406	460	529	1030	9430	9480	3010	832	471

Total run-off for period=27,020 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Rock Creek Near Monte Vista, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	3.4	4.0	....	....	....	....	7.4	25	12	11	12	10
2....	3.4	4.0	....	....	....	....	8.4	24	16	7.7	4.9	9.5
3....	3.4	4.3	....	....	....	....	9.8	22	15	7.1	4.9	9.1
4....	3.4	3.8	....	....	....	....	9.5	21	14	6.8	5.4	8.8
5....	3.4	3.4	....	....	....	....	11	18	12	6.4	6.4	8.4
6....	3.4	3.8	....	....	....	....	11	17	11	7.1	9.8	8.4
7....	3.4	3.8	....	....	....	....	8.8	19	11	7.1	6.4	8.1
8....	3.4	3.8	....	....	....	....	7.7	16	11	6.8	6.1	7.7
9....	3.4	4.0	....	....	....	....	8.1	14	10	6.1	9.1	7.7
10....	3.4	4.0	....	....	....	....	7.1	13	11	5.8	12	7.4
11....	3.4	4.0	....	....	....	....	6.1	13	12	5.8	8.4	7.1
12....	3.6	4.9	....	....	....	....	5.8	13	11	5.8	8.1	6.8
13....	4.0	5.4	....	....	....	....	6.8	12	11	4.9	8.1	7.1
14....	3.8	4.5	....	....	....	....	8.1	12	9.8	6.1	8.1	7.7
15....	3.8	4.0	....	....	....	....	9.5	11	9.5	5.8	8.1	6.8
16....	3.8	4.0	....	....	....	....	9.8	11	9.1	4.0	8.1	6.4
17....	3.8	4.7	....	....	....	....	8.4	11	9.1	3.4	13	6.1
18....	3.8	4.7	....	....	....	....	9.1	9.8	8.8	3.2	16	6.1
19....	3.6	4.9	....	....	....	....	11	9.8	8.8	3.2	11	6.1
20....	3.4	4.0	....	....	....	....	12	9.1	8.1	3.2	11	5.8
21....	3.6	3.0	....	....	....	....	13	10	7.7	3.4	11	5.8
22....	3.6	3.3	....	....	....	Mar. 24	15	9.5	7.7	4.7	10	5.4
23....	3.4	3.8	....	....	....	to 31	18	9.1	7.4	4.0	9.8	5.4
24....	3.4	4.0	....	....	....	3.6	20	9.5	7.1	3.2	8.8	5.4
25....	3.2	3.8	....	....	....	4.3	21	10	7.1	3.2	8.4	5.1
26....	3.2	3.4	....	....	....	4.0	21	10	7.1	2.8	11	5.4
27....	3.2	3.6	....	....	....	4.5	19	9.5	7.7	2.8	16	6.1
28....	3.2	3.8	....	....	....	4.9	20	10	10	2.6	11	6.1
29....	3.4	3.4	....	....	....	6.8	23	11	11	2.8	11	6.4
30....	2.6	3.3	....	....	....	7.4	24	11	14	5.1	12	7.7
31....	3.4	....	....	....	....	7.1	....	11	....	7.7	12	....
Total	107.2	119.4	....	....	....	42.6	369.4	411.3	307.0	159.6	297.9	209.9
Mean.	3.46	3.98	....	....	....	5.32	12.3	13.3	10.2	5.15	9.61	7.00
Max..	4.0	5.4	....	....	....	7.4	24	25	16	11	16	10
Min..	2.6	3.0	....	....	....	3.6	5.8	9.1	7.1	2.6	4.9	5.1
Acre-ft.	213	237	....	....	....	84	733	816	609	317	591	416

Total run-off for period=4,020 acre-feet.

Discharge of Rock Creek Near Monte Vista, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	6.1	4.5	....	....	....	....	5.8	24	95	28	8.6	3.9
2....	5.6	4.0	....	....	....	....	6.4	26	90	26	8.3	3.9
3....	5.6	4.1	....	....	....	....	8.0	24	85	28	8.1	3.9
4....	5.1	4.4	....	....	....	....	10	22	76	30	7.5	3.7
5....	4.9	4.6	....	....	....	....	13	26	69	30	7.8	3.7
6....	4.9	4.2	....	....	....	....	15	43	70	26	8.9	3.5
7....	4.9	3.5	....	....	....	....	17	68	74	22	8.2	3.3
8....	4.7	3.3	....	....	....	....	15	74	75	21	7.5	3.3
9....	4.4	3.3	....	....	....	....	14	81	80	20	7.8	3.3
10....	4.4	3.6	....	....	....	....	13	86	79	20	6.9	3.3
11....	4.7	3.5	....	....	....	....	12	70	76	19	6.1	3.1
12....	5.1	3.4	....	....	....	....	13	85	73	18	6.1	3.1
13....	4.9	3.2	....	....	....	....	15	117	70	17	5.6	3.1
14....	5.4	3.2	....	....	....	....	12	131	67	16	5.4	3.3
15....	5.4	3.1	....	....	....	....	10	148	63	16	5.1	3.3
16....	5.4	3.0	....	....	....	....	9.4	140	58	16	5.1	3.7
17....	5.1	3.0	....	....	....	....	8.5	116	51	16	6.1	3.7
18....	5.1	*3.0	....	....	....	....	8.2	92	48	15	6.7	3.9
19....	5.6	3.0	....	....	....	....	9.5	97	46	16	6.9	3.9
20....	5.4	3.0	....	....	....	....	11	101	45	18	6.7	3.9
21....	5.9	2.9	....	....	....	....	9.2	103	44	16	6.1	3.9
22....	5.4	2.9	....	....	....	....	8.2	100	41	14	5.4	3.7
23....	5.1	2.9	....	....	....	....	8.5	102	38	14	5.1	3.7
24....	4.9	2.9	....	....	....	....	12	104	38	14	6.7	3.7
25....	4.9	2.9	....	....	....	....	16	96	37	12	6.1	4.2
26....	4.9	2.7	....	....	....	....	20	91	36	11	5.1	5.1
27....	4.7	2.5	....	....	....	....	26	73	33	10	5.1	4.4
28....	4.7	2.6	....	....	....	....	26	71	32	10	5.1	4.7
29....	5.6	2.7	....	....	....	....	24	76	30	9.8	4.7	4.7
30....	5.1	2.7	....	....	....	....	23	88	30	9.2	4.4	3.9
31....	4.7	....	....	....	....	....	....	95	....	8.6	4.2	....
Total	158.6	98.6	....	....	....	....	398.7	2572	1749	546.6	197.5	112.8
Mean.	5.12	3.29	....	....	....	....	13.3	83.0	58.3	17.6	6.37	3.76
Max..	6.1	4.6	....	....	....	....	26	148	95	30	8.9	5.1
Min..	4.4	2.5	....	....	....	....	5.8	22	30	8.6	4.2	3.1
Acre-ft.	315	196	....	....	....	....	791	5100	3470	1080	392	224

Total run-off for period=11,570 acre-feet

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Alamosa River Above Terrace Reservoir, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	18	14	....	....	....	....	53	536	403	191	63	50
2....	18	16	....	....	....	....	62	554	476	162	46	40
3....	18	16	....	....	....	....	79	536	336	138	44	36
4....	18	16	....	....	....	....	86	482	279	122	46	34
5....	17	14	....	....	....	....	88	336	258	109	50	33
6....	17	17	....	....	....	....	105	283	242	101	58	30
7....	17	15	....	....	....	....	101	283	262	97	47	28
8....	17	14	....	....	....	....	84	230	301	101	43	26
9....	18	15	....	....	....	....	83	197	323	93	47	27
10....	18	14	....	....	....	....	68	179	346	92	77	27
11....	18	15	....	....	....	....	57	194	341	83	55	26
12....	18	17	....	....	....	....	55	210	292	76	44	23
13....	21	18	....	....	....	Mar. 15	53	197	254	71	40	23
14....	22	17	....	....	....	to 31	71	197	227	69	46	23
15....	21	17	....	....	....	14	95	173	234	76	66	23
16....	22	Nov. 1	....	....	....	14	117	173	234	65	61	22
17....	22	to 15	....	....	....	16	95	188	230	57	50	23
18....	22	....	....	....	....	16	86	204	246	53	97	23
19....	21	....	....	....	....	17	97	210	246	49	68	21
20....	20	....	....	....	....	18	148	238	242	49	61	21
21....	19	....	....	....	....	18	173	230	230	50	49	19
22....	19	....	....	....	....	20	214	204	223	55	46	18
23....	20	....	....	....	....	20	283	214	210	68	43	18
24....	20	....	....	....	....	17	341	314	197	55	37	17
25....	20	....	....	....	....	16	269	369	182	52	36	17
26....	19	....	....	....	....	18	364	379	173	46	38	20
27....	18	....	....	....	....	21	341	354	170	41	46	19
28....	17	....	....	....	....	25	379	430	182	40	39	22
29....	18	....	....	....	....	35	430	430	173	40	46	21
30....	15	....	....	....	....	44	482	398	254	61	53	22
31....	14	....	....	....	....	47	....	384	....	61	66	....
Total	582	235	....	....	....	376	5059	9306	7766	2423	1608	752
Mean	18.8	15.7	....	....	....	22.1	169	300	259	78.2	51.9	25.1
Max.	22	18	....	....	....	47	482	554	476	191	97	50
Min.	14	14	....	....	....	14	53	173	170	40	36	17
Acre-ft.	1150	466	....	....	....	746	10030	18460	15400	4810	3190	1490

Total run-off for period=55,740 acre-feet.

Discharge of Alamosa River Above Terrace Reservoir, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	26	19	12	13	16	19	26	89	976	460	60	20
2....	22	18	12	13	16	19	24	98	984	450	60	20
3....	20	19	12	13	16	19	30	100	757	455	55	20
4....	19	18	12	13	16	19	40	94	552	445	54	20
5....	20	18	12	13	16	19	50	143	500	505	51	19
6....	19	17	12	13	16	19	68	285	546	515	54	19
7....	20	18	12	13	16	19	80	410	621	415	49	20
8....	19	16	12	13	16	19	91	455	705	360	46	20
9....	18	22	12	13	16	19	89	490	856	326	55	20
10....	18	20	12	13	16	19	68	475	896	285	49	19
11....	18	22	12	13	16	19	57	355	904	261	44	18
12....	21	18	12	13	16	19	61	470	833	225	46	18
13....	20	16	12	13	16	19	66	663	819	205	38	18
14....	19	15	12	13	16	19	56	777	805	191	34	17
15....	20	14	12	13	16	19	50	976	777	177	31	18
16....	20	14	12	13	16	19	48	1000	724	158	32	18
17....	20	14	12	13	16	19	43	784	645	152	32	18
18....	19	*14	12	13	16	19	49	552	633	143	34	18
19....	22	14	12	13	16	19	51	597	669	130	36	17
20....	19	14	12	13	16	19	52	718	724	167	38	16
21....	18	14	12	13	16	19	48	819	738	135	36	16
22....	18	15	12	13	16	19	43	888	687	113	29	16
23....	18	16	12	13	16	19	41	1040	639	111	27	17
24....	19	15	12	13	16	19	54	1080	651	100	31	18
25....	18	14	12	13	16	19	68	1020	615	96	31	20
26....	19	14	12	13	16	19	74	856	597	87	28	22
27....	20	11	12	13	16	19	107	639	558	80	26	22
28....	21	11	12	13	16	19	107	657	510	77	24	24
29....	27	11	12	13	16	19	91	904	490	72	23	24
30....	23	12	12	13	....	19	87	1000	530	71	22	20
31....	23	....	12	13	....	19	....	952	....	65	21	....
Total	623	474	372	403	464	589	1819	19386	20941	7032	1196	572
Mean	20.1	15.8	12	13	16	19	60.6	625	698	227	38.6	19.1
Max.	27	23	....	....	....	....	107	1080	984	515	60	24
Min.	18	11	....	....	....	....	24	89	490	65	21	16
Acre-ft.	1240	940	738	799	920	1170	3610	38450	41540	13950	2370	1130

Total run-off for period=106,900 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Alamosa River Below Terrace Reservoir, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	19	11	....	....	....	2.0	76	477	405	240	64	50
2....	19	10	....	....	....	2.0	99	485	417	237	81	50
3....	19	10	....	....	....	2.0	101	549	409	189	72	49
4....	19	11	....	....	....	2.0	103	549	303	159	71	54
5....	18	11	....	....	....	2.0	134	449	278	126	67	60
6....	18	10	....	....	....	2.0	134	300	278	117	71	61
7....	18	11	....	....	....	2.0	144	300	250	109	71	62
8....	18	9.8	....	....	....	2.0	150	300	275	111	69	61
9....	19	9.8	....	....	....	2.0	150	264	314	115	67	60
10....	19	11	....	....	....	2.0	139	201	328	115	67	54
11....	19	11	....	....	....	2.0	115	207	334	111	67	32
12....	19	2.3	....	....	....	2.0	115	207	334	89	67	30
13....	22	0.2	....	....	....	2.0	113	204	306	87	67	30
14....	23	1.7	....	....	....	3.4	111	192	250	81	69	32
15....	22	1.0	....	....	....	5.1	117	189	224	81	71	32
16....	23	2.1	....	....	....	5.1	137	186	247	81	71	32
17....	23	2.0	....	....	....	6.2	139	183	258	76	71	29
18....	23	2.0	....	....	....	15	124	186	258	64	71	28
19....	22	2.0	....	....	....	17	113	192	261	52	91	26
20....	21	2.0	....	....	....	18	113	217	261	52	95	26
21....	21	2.0	....	....	....	18	144	237	258	51	97	26
22....	21	2.0	....	....	....	18	177	244	250	53	97	26
23....	21	2.0	....	....	....	19	227	237	227	62	87	22
24....	21	2.0	....	....	....	19	349	233	224	67	74	18
25....	21	2.0	....	....	....	19	373	314	224	54	62	16
26....	21	2.0	....	....	....	21	373	373	201	46	43	13
27....	20	2.0	....	....	....	21	338	377	192	30	44	13
28....	20	2.0	....	....	....	21	334	377	195	3	43	14
29....	19	2.0	....	....	....	50	338	413	217	20	44	15
30....	16	2.0	....	....	....	72	429	417	230	61	49	22
31....	12	....	....	....	....	74	....	409	....	61	52	....
Total	616	150.9	620	620	560	447.8	5509	9468	8208	2800	2132	1043
Mean.	19.9	5.0	2.0	2.0	2.0	14.4	184	305	274	90.3	68.8	34.8
Max..	23	11	2.0	2.0	2.0	74	429	549	417	240	97	62
Min..	12	0.2	2.0	2.0	2.0	2.0	76	183	192	3.0	43	13
Acre-ft.	1220	299	123	125	111	888	10930	18780	16280	5550	4230	2070

Total run-off for period=60,600 acre-feet.

Discharge of Alamosa River Below Terrace Reservoir, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	36	22	8.0	3.1	3.1	3.1	3.1	62	825	495	188	130
2....	29	19	8.0	3.1	3.1	3.1	3.1	78	830	464	193	127
3....	16	17	8.0	3.1	3.1	3.1	3.1	95	830	433	188	125
4....	17	15	8.0	3.1	3.1	3.1	3.1	97	783	433	180	118
5....	17	15	5.0	3.1	3.1	3.1	3.1	97	783	430	166	118
6....	18	16	3.1	3.1	3.1	3.1	3.1	105	702	412	163	94
7....	23	13	3.1	3.1	3.1	3.1	3.1	119	616	408	155	68
8....	34	14	3.1	3.1	3.1	3.1	8.7	139	621	388	155	68
9....	40	26	3.1	3.1	3.1	3.1	17	168	626	331	153	65
10....	37	27	3.1	3.1	3.1	3.1	19	171	634	290	150	63
11....	26	15	3.1	3.1	3.1	3.1	19	204	644	268	148	61
12....	22	11	3.1	3.1	3.1	3.1	33	224	693	252	145	61
13....	21	12	3.1	3.1	3.1	3.1	48	278	680	249	145	63
14....	19	9.0	3.1	3.1	3.1	3.1	43	461	765	246	148	63
15....	18	6.0	3.1	3.1	3.1	3.1	37	577	825	246	148	61
16....	18	3.0	3.1	3.1	3.1	3.1	37	657	770	246	148	61
17....	17	1.5	3.1	3.1	3.1	3.1	37	702	663	243	148	60
18....	16	*0.6	3.1	3.1	3.1	3.1	38	698	607	240	148	33
19....	17	0.6	3.1	3.1	3.1	3.1	42	698	651	237	127	34
20....	14	0.6	3.1	3.1	3.1	3.1	46	693	698	237	118	36
21....	12	4.0	3.1	3.1	3.1	3.1	48	688	734	237	118	36
22....	13	8.0	3.1	3.1	3.1	3.1	44	688	711	255	118	36
23....	13	8.0	3.1	3.1	3.1	3.1	44	702	635	258	118	36
24....	14	8.0	3.1	3.1	3.1	3.1	46	756	647	262	118	34
25....	14	8.0	3.1	3.1	3.1	3.1	48	855	655	219	118	33
26....	13	8.0	3.1	3.1	3.1	3.1	58	840	575	213	110	32
27....	12	8.0	3.1	3.1	3.1	3.1	64	675	555	210	108	30
28....	13	8.0	3.1	3.1	3.1	3.1	62	675	523	207	108	28
29....	20	8.0	*3.1	3.1	3.1	3.1	62	670	491	193	110	27
30....	24	8.0	3.1	3.1	....	3.1	62	670	487	185	113	27
31....	23	....	3.1	3.1	....	3.1	....	788	....	185	115	....
Total	626	319.3	117.6	96.1	89.9	96.1	984.4	14330	20259	8972	4368	1828
Mean.	20.2	10.6	3.79	3.1	3.1	3.1	32.8	462	675	289	141	60.9
Max..	40	27	8.0	3.1	3.1	3.1	64	855	830	495	193	130
Min..	12	0.6	3.1	3.1	3.1	3.1	3.1	62	487	185	108	27
Acre-ft.	1240	633	233	191	178	191	1950	28420	40180	17800	8660	3630

Total run-off for period=103,300 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of La Jara Creek at Gallegos Ranch Near Capulin, Colo., for Year Ending
Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	8.5	9.0				8.5	16	70	17	13	26	17
2....	8.5	9.0				8.5	20	68	17	8.5	25	14
3....	9.0	9.0				8.5	34	58	17	7.5	27	13
4....	9.0	7.5				8.5	43	49	17	7.0	29	11
5....	9.0	7.0				8.5	46	44	17	6.5	32	10
6....	9.0	9.0				8.5	52	38	17	6.0	24	8.0
7....	9.0	8.5				8.5	41	40	16	6.5	23	7.0
8....	9.5	9.0				8.5	34	37	11	6.5	22	7.0
9....	9.0	42				8.5	37	31	11	8.0	31	7.0
10....	9.5	41				8.5	37	30	12	9.0	72	7.0
11....	9.5	44				8.5	28	26	16	7.5	59	7.5
12....	10	30				8.5	26	26	14	7.5	23	7.5
13....	11	30				8.5	30	26	12	7.0	26	8.0
14....	12	14				8.5	46	25	10	7.0	22	8.0
15....	10	7.5				8.5	55	25	10	11	26	8.0
16....	12	7.0				8.5	60	24	9.0	8.5	24	8.0
17....	13	7.0				10	61	23	9.0	7.5	23	8.0
18....	14	7.0				8.5	58	22	9.0	7.0	30	7.5
19....	12	7.0				8.5	58	35	9.5	7.0	26	7.5
20....	11	7.0				14	79	36	8.5	9.0	23	7.5
21....	11	6.5				12	91	38	8.5	9.0	21	7.0
22....	9.5	6.0				9.0	96	39	7.5	18	13	7.0
23....	9.5	6.0				7.5	109	38	7.0	11	11	7.0
24....	9.0	6.0				8.0	100	36	7.0	8.0	8.0	7.0
25....	8.5	6.0				8.0	90	23	7.5	8.0	6.0	7.5
26....	8.5	5.0				8.5	80	16	7.5	6.5	11	7.5
27....	8.5	5.0				9.5	75	16	8.0	6.5	14	8.0
28....	8.5	5.0				9.5	74	16	12	6.0	11	8.5
29....	9.0	5.0				13	69	16	14	23	14	9.0
30....	9.0	5.0				14	71	16	16	26	27	9.5
31....	9.0					14		17		28	26	
Total	304.5	367.0				290.0	1716	1004	354.0	307.5	755.0	256.5
Mean.	9.82	12.2				9.35	57.2	32.4	11.8	9.92	24.4	8.55
Max..	14	44					109	70	17	28	72	17
Min..	8.5	5.0					16	16	7.0	6.0	6.0	7.0
Acre-ft.	604	728				575	3400	1990	702	610	1500	509

Total run-off for period=10,620 acre-feet.

**Discharge of La Jara Creek at Gallegos Ranch Near Capulin, Colo., for Year Ending
Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	9.5						8.8	122	44	12	9.4	16
2....	8.5						9.0	148	39	12	9.0	15
3....	8.0						9.4	133	56	12	9.0	15
4....	8.0						9.4	120	55	14	29	18
5....	8.0						9.6	205	41	17	32	20
6....	8.5						10	366	34	16	39	20
7....	8.5						11	384	33	12	50	21
8....	8.5						14	355	30	11	50	21
9....	8.5						14	345	28	11	44	22
10....	8.5						8.0	291	25	11	43	23
11....	8.5						7.5	215	24	11	39	23
12....	11						11	252	22	9.8	37	23
13....	9.5						18	273	20	9.8	31	23
14....	9.0						14	266	19	9.4	30	19
15....	9.0						12	279	18	11	43	18
16....	9.0						12	275	17	11	36	18
17....	9.0						10	190	16	11	32	13
18....	9.0	*9.1					13	128	15	11	32	10
19....	13						21	125	14	11	25	9.8
20....	11						24	137	14	13	20	9.4
21....	9.5						20	130	12	12	19	9.8
22....	10						16	130	12	12	17	9.8
23....	9.5						11	114	11	11	16	9.8
24....	9.0						14	102	11	12	18	10
25....	9.0						27	87	12	11	18	11
26....	9.0						37	76	12	10	17	12
27....	9.0						65	71	11	9.8	16	11
28....	9.5						78	66	10	8.6	16	12
29....	14						73	61	11	7.8	16	11
30....	14						88	52	13	7.8	16	9.8
31....	9.5							52		8.6	16	
Total	294.5	270	248	217	217.5	248	674.7	5550	679	346.6	824.4	463.4
Mean.	9.50	9.0	8.0	7.0	7.5	8.0	22.5	179	22.6	11.2	26.6	15.4
Max..	14						88	384	56	17	50	23
Min..	8						7.5	52	10	7.8	9.0	9.4
Acre-ft.	584	536	492	430	431	492	1340	11010	1350	687	1640	919

Total run-off for period=19,910 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of Trinchera Creek Above Turner's Ranch Near Fort Garland, Colo., for Year
Ending Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	13	10	....	....	....	7.2	15	35	35	17	8.5	12
2....	4.5	10	....	....	....	7.2	17	36	36	17	8.0	11
3....	3.0	10	....	....	....	7.2	20	38	36	17	9.0	11
4....	4.0	10	....	....	....	7.2	20	42	36	16	12	10
5....	6.0	....	....	....	....	7.2	20	42	36	15	16	9.5
6....	8.0	....	....	....	....	7.2	20	41	35	15	11	9.5
7....	7.0	....	....	....	....	7.2	20	43	33	14	8.5	9.0
8....	6.0	....	....	....	....	7.2	17	41	32	14	8.0	9.0
9....	7.0	....	....	....	....	7.2	16	42	32	13	9.5	9.0
10....	7.0	....	....	....	....	7.2	16	41	32	13	11	9.0
11....	8.0	....	....	....	....	7.2	16	43	30	12	11	8.5
12....	9.0	....	....	....	....	7.2	14	42	30	12	9.5	8.0
13....	10	....	....	....	....	7.2	14	42	28	11	10	8.0
14....	11	....	....	....	....	7.2	15	41	28	11	11	9.0
15....	12	....	....	....	....	7.2	17	40	28	11	14	10
16....	12	....	....	....	....	7.2	15	38	26	10	15	12
17....	14	....	....	....	....	7.2	15	36	25	11	15	11
18....	14	....	....	....	....	7.2	17	36	24	11	17	11
19....	15	....	....	....	....	7.2	17	36	24	11	13	10
20....	15	....	....	....	....	7.2	18	35	23	12	12	9.5
21....	16	....	....	....	....	7.4	19	36	21	12	12	9.0
22....	17	....	....	....	....	*7.6	20	36	21	14	14	8.5
23....	14	*14	....	....	....	7.8	22	34	20	15	11	9.0
24....	12	....	....	....	....	8.0	26	33	19	12	9.5	9.0
25....	12	....	....	....	....	9.0	27	32	18	11	9.0	9.0
26....	11	....	....	....	....	10	28	32	18	12	11	9.0
27....	11	....	....	....	....	13	30	32	17	11	14	9.5
28....	11	....	....	....	....	15	30	33	17	11	12	11
29....	11	....	....	....	....	18	30	34	17	9.5	14	10
30....	9.5	....	....	....	....	18	32	35	17	9.5	12	10
31....	9.5	....	....	....	....	15	....	35	....	9.5	15	....
Total	319.5	300	....	....	....	272.8	603	1162	794	389.5	362.5	290.0
Mean.	10.3	10.0	....	....	....	8.80	20.1	37.5	26.5	12.6	11.7	9.67
Max..	17	....	....	....	....	....	32	43	36	17	17	12
Min..	3.0	....	....	....	....	....	14	32	17	9.5	8.0	8.0
Acre-ft.	634	595	....	....	....	541	1200	2300	1570	773	719	575

Total run-off for period=8,910 acre-feet.

*Winter discharge measurement made on this day.

**Discharge of Trinchera Creek Above Turner's Ranch Near Fort Garland, Colo., for Year
Ending Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	12	9.5	....	....	....	....	....	28	201	52	19	12
2....	11	7.5	....	....	....	....	....	27	209	51	18	12
3....	9.5	7.6	....	....	....	....	....	27	184	50	18	11
4....	9.5	7.8	....	....	....	....	....	27	156	50	18	11
5....	9.5	8.4	....	....	....	....	....	28	137	56	18	11
6....	10	8.5	....	....	....	....	....	33	125	52	19	11
7....	10	8.0	....	....	....	....	....	40	120	49	18	11
8....	9.5	8.2	....	....	....	....	....	50	117	49	18	11
9....	9.5	8.4	....	....	....	....	....	68	128	49	17	10
10....	9.5	8.4	....	....	....	....	....	80	146	46	19	10
11....	10	8.4	....	....	....	....	....	80	152	44	18	11
12....	12	8.5	....	....	....	....	....	120	146	42	15	11
13....	11	8.5	....	....	....	....	....	143	131	40	15	11
14....	11	8.5	....	....	....	....	....	201	122	39	15	11
15....	11	8.0	....	....	....	....	....	265	115	38	14	10
16....	11	8.0	....	....	....	....	....	274	108	36	14	11
17....	11	8.0	....	....	....	....	....	213	100	34	13	10
18....	11	8.0	....	....	....	....	....	149	93	32	15	10
19....	12	8.0	....	....	....	....	....	146	89	31	14	9.4
20....	11	8.0	....	....	....	....	....	163	84	32	14	9.4
21....	11	7.5	....	....	....	....	....	174	84	30	14	9.7
22....	12	8.0	....	....	....	....	....	163	79	28	14	9.4
23....	11	8.0	....	....	....	....	....	192	76	27	13	9.4
24....	11	8.5	....	....	....	....	....	213	74	27	15	9.7
25....	12	8.5	....	....	....	....	....	201	72	28	14	10
26....	12	8.4	....	....	....	....	....	174	69	25	13	10
27....	12	8.3	....	....	....	....	....	149	65	24	13	10
28....	13	8.2	....	....	....	....	....	134	61	22	13	10
29....	15	8.0	....	....	....	....	....	131	58	21	12	10
30....	13	8.0	....	....	....	....	....	146	56	21	13	10
31....	11	....	....	....	....	....	....	184	....	20	12	....
Total	344.0	245.6	....	....	....	....	....	4023	3357	1145	475	312.0
Mean.	11.1	8.19	....	....	....	....	....	130	112	36.9	15.3	10.4
Max..	15	9.5	....	....	....	....	....	274	209	56	19	12
Min..	9.5	7.5	....	....	....	....	....	27	56	20	12	9.4
Acre-ft.	682	487	....	....	....	....	....	7980	6660	2270	942	619

Total run-off for period=19,640 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of Trinchera Creek Above Mountain Home Reservoir Near Fort Garland, Colo.,
for Year Ending Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	10	10	.....	.....	.....	7.4	8.8	23	16	13	7.7	8.5
2....	10	11	.....	.....	.....	7.5	9.6	24	15	12	7.4	8.0
3....	10	11	.....	.....	.....	7.6	10	24	16	12	7.2	8.2
4....	11	11	.....	.....	.....	7.8	12	21	16	11	7.4	8.2
5....	10	11	.....	.....	.....	7.9	12	21	18	10	9.3	7.7
6....	9.3	11	.....	.....	.....	7.5	12	20	19	9.6	8.8	7.4
7....	9.6	11	.....	.....	.....	7.4	11	24	18	9.3	8.8	7.2
8....	10	10	*6.3	.....	.....	8.0	10	26	18	9.9	7.7	7.0
9....	10	9.9	.....	.....	.....	8.0	8.8	26	17	9.0	8.0	7.2
10....	10	9.6	.....	.....	.....	7.9	7.9	25	17	9.0	8.2	7.0
11....	11	9.0	.....	.....	.....	7.9	7.2	26	17	8.8	8.0	6.2
12....	12	8.8	.....	.....	.....	7.7	7.4	24	16	8.2	7.5	6.0
13....	12	.....	.....	.....	.....	7.5	7.4	21	15	7.9	7.4	5.9
14....	13	.....	.....	.....	.....	7.5	7.7	20	14	8.0	7.7	6.2
15....	13	.....	.....	.....	.....	7.7	7.5	18	14	11	7.7	6.5
16....	13	.....	.....	.....	.....	9.0	7.7	16	13	9.0	9.3	7.2
17....	14	.....	.....	.....	.....	9.0	7.0	18	14	7.9	8.8	7.0
18....	13	.....	.....	.....	.....	8.2	7.2	20	12	7.9	11	6.8
19....	13	.....	.....	.....	.....	7.5	7.4	20	13	7.7	9.0	6.5
20....	12	.....	.....	.....	.....	8.2	9.0	19	12	7.9	8.2	6.4
21....	13	.....	.....	.....	.....	7.9	12	19	11	7.5	7.7	6.0
22....	13	.....	.....	.....	.....	7.5	11	18	10	8.2	8.8	5.6
23....	13	*8.0	.....	.....	.....	7.5	12	17	12	9.9	7.9	5.8
24....	13	.....	.....	.....	.....	7.4	13	16	12	9.9	7.4	5.8
25....	13	.....	.....	.....	.....	7.5	15	15	13	9.6	7.5	5.6
26....	13	.....	.....	.....	7.4	8.0	16	12	12	9.9	7.5	5.4
27....	13	.....	.....	.....	7.4	8.8	17	12	10	9.3	9.3	5.6
28....	12	.....	.....	.....	7.4	10	16	13	12	8.8	8.8	6.0
29....	11	.....	.....	.....	.....	12	17	16	15	8.2	9.3	6.0
30....	10	.....	.....	.....	.....	14	18	17	17	8.0	8.8	5.6
31....	9.9	.....	.....	.....	.....	11	.....	17	.....	8.0	10	.....
Total	359.8	267.3	.....	.....	.....	258.8	324.6	608	434	286.4	258.1	198.5
Mean	11.6	8.91	.....	.....	.....	8.35	10.8	19.6	14.5	9.24	8.33	6.62
Max..	14	.....	.....	.....	.....	14	18	26	19	13	11	8.5
Min..	9.3	.....	.....	.....	.....	7.4	7.0	12	10	7.5	7.2	5.4
Acre-ft.	714	530	.....	.....	.....	513	644	1210	861	568	512	394

Total run-off for period==5,950 acre-feet.

*Winter discharge measurement made on this day.

**Discharge of Trinchera Creek Above Mountain Home Reservoir Near Fort Garland, Colo.,
for Year Ending Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	5.8	5.4	.....	.....	.....	.....	5.4	8.2	198	42	13	6.7
2....	5.6	4.8	.....	.....	.....	.....	5.8	8.2	208	41	13	6.5
3....	5.4	4.8	.....	.....	.....	.....	5.6	8.0	198	41	13	6.5
4....	5.4	5.0	.....	.....	.....	.....	5.8	7.7	164	42	13	6.4
5....	5.4	5.2	.....	.....	.....	.....	6.2	7.7	134	48	13	6.5
6....	5.8	5.0	.....	.....	.....	.....	6.4	7.9	127	44	13	6.5
7....	5.9	4.3	.....	.....	.....	.....	6.6	21	128	38	13	6.4
8....	5.9	4.3	.....	.....	.....	.....	6.8	33	120	36	12	6.3
9....	5.6	4.7	.....	.....	.....	.....	7.8	41	126	36	12	5.2
10....	5.8	5.2	.....	.....	.....	*3.9	7.4	61	136	36	14	5.1
11....	5.8	5.3	.....	.....	.....	.....	9.0	51	134	32	13	5.2
12....	6.4	5.3	.....	.....	.....	.....	10	92	126	31	11	5.2
13....	5.8	5.3	.....	.....	.....	.....	9.3	130	115	31	10	5.6
14....	5.4	5.3	.....	.....	.....	.....	8.0	182	108	30	10	5.6
15....	5.8	5.2	.....	.....	.....	.....	8.0	240	100	31	9.6	5.1
16....	5.6	5.2	.....	.....	.....	.....	7.9	246	89	31	9.6	5.4
17....	5.6	5.0	.....	.....	.....	.....	7.5	198	80	29	8.9	5.0
18....	5.8	5.2	.....	.....	.....	.....	7.4	130	74	26	9.6	5.1
19....	5.6	5.0	.....	.....	.....	.....	8.0	133	70	23	9.1	4.8
20....	5.4	5.0	.....	.....	.....	.....	7.9	160	66	25	8.7	4.7
21....	5.3	5.0	.....	*3.8	.....	.....	7.7	173	64	24	8.6	4.7
22....	5.6	5.0	.....	.....	.....	.....	7.5	154	62	22	7.5	4.6
23....	5.4	5.0	.....	.....	*4.5	.....	7.5	178	60	20	7.1	4.3
24....	5.4	5.2	.....	.....	.....	.....	8.2	208	58	21	7.6	5.1
25....	5.3	5.3	.....	.....	.....	.....	8.5	208	59	22	8.2	5.6
26....	5.4	5.1	.....	.....	.....	.....	8.0	178	56	19	7.5	5.6
27....	5.4	4.9	.....	.....	.....	.....	9.0	150	54	17	7.6	5.1
28....	5.4	4.9	.....	.....	.....	.....	9.6	138	49	16	7.4	5.2
29....	6.4	4.8	.....	.....	.....	.....	9.3	130	47	15	6.9	5.9
30....	6.2	4.8	.....	.....	.....	.....	8.5	150	44	15	6.9	5.6
31....	5.9	.....	.....	.....	.....	.....	.....	183	.....	14	6.9	.....
Total	175.5	150.5	139.5	124.0	116.0	139.5	230.6	3615.7	3054	898	310.7	165.5
Mean	5.66	5.02	4.5	4.0	4.0	4.5	7.69	117	102	29.0	10.0	5.52
Max..	6.4	5.4	.....	.....	.....	.....	10	246	208	48	14	6.7
Min..	5.3	4.3	.....	.....	.....	.....	5.4	7.7	44	14	6.9	4.3
Acre-ft.	348	299	277	246	230	277	457	7170	6060	1780	616	328

Total run-off for period==18,090 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of Trinchera Creek Below Smith Reservoir Near Blanca, Colo., for Year Ending
Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.2	20	....	....	....	36	40	0.7	3.5	3.0	1.3	0.8
2....	1.2	20	....	....	....	34	36	0.7	3.5	3.0	1.3	0.8
3....	1.1	21	....	....	....	35	36	4.0	3.5	2.5	1.4	0.8
4....	1.1	22	....	....	....	36	35	6.9	3.5	2.5	1.9	0.8
5....	1.1	22	....	....	....	36	34	6.9	3.5	2.5	2.0	0.8
6....	1.0	21	....	....	....	38	34	6.9	3.5	2.5	1.5	0.8
7....	1.0	22	....	....	....	35	34	6.9	3.5	2.5	1.0	0.8
8....	1.0	22	*26	....	....	33	28	6.9	3.6	2.5	0.8	0.8
9....	1.0	22	....	....	....	33	23	6.9	3.5	2.5	0.8	0.8
10....	*1.0	21	....	....	....	34	24	6.9	3.5	2.5	0.8	0.8
11....	1.0	22	....	....	....	34	23	6.7	3.5	2.5	0.8	0.8
12....	1.0	22	....	....	....	33	23	6.5	3.5	2.5	0.8	0.8
13....	1.0	23	....	....	....	34	23	6.5	3.0	2.5	0.8	0.8
14....	1.0	23	....	....	....	33	24	6.5	3.0	2.0	0.8	0.8
15....	1.0	24	....	....	....	32	23	6.5	3.0	2.0	0.8	0.8
16....	1.0	24	....	....	....	33	23	6.5	3.0	2.0	0.7	0.8
17....	1.0	25	....	....	....	33	22	6.5	3.0	2.0	0.7	0.8
18....	1.0	25	....	....	....	32	19	6.5	3.0	1.5	0.7	0.8
19....	1.0	26	....	....	....	32	12	6.5	3.0	1.5	0.8	0.8
20....	1.0	26	....	....	....	32	8	6.5	3.0	0.8	0.8	0.8
21....	*1.0	27	....	....	....	29	4	6.5	3.0	0.8	0.8	0.8
22....	1.0	27	....	....	....	25	0.7	6.5	3.0	0.8	0.7	0.8
23....	1.5	*28	....	....	....	28	0.7	6.5	3.0	0.8	0.6	1.0
24....	19	28	....	....	....	28	0.7	6.5	3.0	1.2	0.6	1.1
25....	19	28	....	....	....	28	0.7	6.5	3.0	1.4	0.7	1.0
26....	18	28	....	....	....	28	0.7	6.5	3.0	1.2	0.7	0.9
27....	18	28	....	....	35	30	*0.7	6.5	3.0	0.7	0.7	0.8
28....	18	27	....	....	38	32	0.7	6.5	3.0	0.7	0.8	0.7
29....	20	27	....	....	....	36	0.7	6.5	3.0	0.8	0.7	0.6
30....	20	27	....	....	....	42	0.7	6.5	3.0	1.0	0.7	0.6
31....	22	....	....	....	....	47	....	5.0	....	1.0	0.7	....
Total	178.2	228	....	....	....	1031	534.3	188.9	96.1	55.7	28.2	24.3
Mean	5.75	24.3	....	....	....	33.3	17.8	6.09	3.20	1.80	0.91	0.81
Max..	22	28	....	....	....	47	40	6.9	3.5	3.0	2.0	1.1
Min..	1.0	20	....	....	....	25	0.7	0.7	3.0	0.7	0.6	0.6
Acre-ft.	353	1440	....	....	....	2040	1060	375	191	110	56	48

Total run-off for period=5,670 acre-feet.

*Winter discharge measurement made on this day.

**Discharge of Trinchera Creek Below Smith Reservoir Near Blanca, Colo., for Year Ending
Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.6	0.8	0.9	0.7	0.7	0.7	0.5	55	249	8.7	4.8	0.5
2....	0.6	0.8	0.9	0.7	0.7	0.7	0.5	60	231	8.4	4.8	0.5
3....	0.6	0.8	0.9	0.7	0.7	0.7	0.5	64	199	8.1	4.8	0.5
4....	0.6	0.8	0.9	0.7	0.7	0.7	0.5	60	181	7.2	4.8	0.6
5....	0.6	0.8	0.9	0.7	0.7	0.7	0.5	55	165	6.3	4.8	0.6
6....	0.6	0.8	0.8	0.7	0.7	0.7	0.5	53	121	7.8	5.0	0.8
7....	0.6	0.8	0.8	0.7	0.7	0.7	0.5	62	104	9.0	5.0	0.7
8....	0.6	0.8	0.8	0.7	0.7	0.7	0.7	88	94	8.7	5.0	0.6
9....	0.6	0.8	0.8	0.7	0.7	0.7	3.0	110	76	8.7	5.2	0.6
10....	0.6	0.8	0.8	0.7	0.7	0.7	12	153	64	8.4	5.2	0.6
11....	0.6	0.8	0.8	0.7	0.6	0.7	16	215	53	8.7	5.0	0.6
12....	0.6	0.8	0.8	0.7	0.6	0.7	20	266	47	8.7	4.8	0.6
13....	0.6	0.8	0.8	0.7	0.6	0.7	25	350	42	8.7	4.2	0.7
14....	0.6	0.8	0.8	0.7	0.6	0.7	31	435	30	8.7	4.0	0.7
15....	4.4	0.8	0.8	0.7	0.6	0.6	34	518	23	8.7	3.8	0.7
16....	8.3	0.8	0.7	0.7	0.6	0.6	31	605	17	8.7	3.0	0.7
17....	8.3	0.9	0.7	0.7	0.6	0.6	32	640	11	8.7	2.8	0.7
18....	8.3	0.9	0.7	0.7	0.6	0.7	32	583	5.8	8.7	2.6	0.7
19....	8.3	0.9	0.7	0.7	0.6	0.6	38	463	4.0	7.5	2.6	0.7
20....	8.3	0.9	*0.7	0.7	0.6	0.5	40	396	3.0	3.2	2.2	0.7
21....	8.3	0.9	0.7	*0.7	0.6	0.5	43	373	2.4	0.7	2.0	0.7
22....	8.3	0.9	0.7	0.7	0.6	0.5	44	351	2.2	0.9	2.0	0.7
23....	8.3	0.9	0.7	0.7	*0.6	0.5	40	313	2.0	1.2	1.9	0.7
24....	8.3	0.9	0.7	0.7	0.6	0.5	38	298	1.9	1.9	1.7	0.8
25....	8.3	0.9	0.7	0.7	0.6	0.5	42	295	1.9	3.2	1.3	0.7
26....	8.3	0.9	0.7	0.7	0.6	0.5	43	296	1.8	6.0	1.2	0.7
27....	8.3	0.9	0.7	0.7	0.6	0.4	44	275	1.7	5.8	0.6	0.8
28....	8.3	0.9	0.7	0.7	0.6	1.0	47	273	3.0	5.6	0.6	0.8
29....	6.5	0.9	0.7	0.7	0.6	0.4	52	273	9.0	5.4	0.6	0.8
30....	0.8	0.9	0.7	0.7	....	0.4	55	279	9.0	5.2	0.5	0.8
31....	0.8	....	0.7	0.7	....	0.5	....	270	....	4.8	0.5	....
Total	128.8	25.4	23.7	21.7	18.4	19.1	766.2	8527	1754.7	202.3	97.3	20.3
Mean	4.15	0.85	0.76	0.70	0.63	0.62	25.5	275	58.5	6.53	3.14	0.68
Max..	8.3	0.9	0.9	0.7	0.7	1.0	55	640	249	9.0	5.2	0.8
Min..	0.6	0.8	0.7	0.7	0.6	0.4	0.5	53	1.7	0.7	0.5	0.5
Acre-ft.	255	50	47	43	36	38	1520	16910	3480	401	193	40

Total run-off for period=23,010 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Sangre de Cristo Creek Near Fort Garland, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	12	21	....	....	....	17	51	36	16	17	0	2.6
2....	12	21	....	....	....	17	52	36	15	11	0	0.5
3....	13	21	....	....	....	17	55	34	15	9.9	0	0.1
4....	13	21	....	....	....	18	56	34	15	8.9	0	0.1
5....	12	20	....	....	....	18	51	35	14	8.0	3.4	0
6....	13	20	....	....	....	17	53	33	13	6.7	5.8	0
7....	13	19	....	....	....	17	51	37	12	5.8	3.7	0
8....	13	19	*17	....	....	18	51	40	10	5.4	1.5	0
9....	13	19	....	....	....	18	43	39	10	4.5	2.6	0
10....	13	17	....	....	....	18	41	37	9.9	4.1	3.0	0
11....	13	18	....	....	....	18	35	34	12	3.7	2.2	0
12....	13	17	....	....	....	17	37	30	12	3.4	0.6	0
13....	16	16	....	....	....	17	33	27	11	3.0	0.2	0
14....	18	15	....	....	....	18	33	25	10	2.6	0.6	0
15....	19	15	....	....	....	19	36	24	8.9	2.2	1.1	0
16....	22	15	....	....	....	20	36	24	8.0	1.5	1.5	0
17....	26	15	....	....	....	21	33	23	6.7	1.8	3.0	*0
18....	26	16	....	....	....	20	37	26	5.8	1.8	11	0
19....	23	17	....	....	....	20	37	26	4.9	2.6	11	0
20....	21	18	....	....	....	20	37	26	4.5	3.0	6.7	0
21....	22	19	....	....	....	19	38	31	3.7	3.0	4.5	0
22....	24	21	....	....	....	*19	40	29	3.0	3.0	2.6	0
23....	25	*24	....	....	....	20	42	28	2.6	3.4	1.8	0
24....	24	22	....	....	....	19	43	24	1.8	1.8	0.4	0
25....	24	21	....	....	....	19	45	24	1.5	1.8	0	0
26....	23	20	....	....	....	26	44	21	1.1	3.7	0	0
27....	23	19	....	....	....	33	44	21	0.6	1.5	0	0
28....	23	19	....	....	....	46	44	19	0.6	0.6	0.6	0
29....	23	18	....	....	....	64	42	18	8.5	0.3	0.6	0
30....	22	18	....	....	....	73	39	18	18	0.1	2.6	3.7
31....	20	....	....	....	....	56	....	18	....	0.0	4.5	....
Total	577	561	....	....	....	759	1279	877	255.1	126.1	75.5	7.0
Mean.	18.6	18.7	....	....	....	24.5	42.6	28.3	8.50	4.07	2.44	0.23
Max..	26	24	....	....	....	73	56	40	18	17	11	3.7
Min..	12	15	....	....	....	17	33	18	0.6	0	0	0
Acre-ft.	1140	1110	....	....	....	1510	2540	1740	506	250	150	14

Total run-off for period=8,960 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Sangre de Cristo Creek Near Fort Garland, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	4.5	8.9	....	....	....	....	13	57	415	48	11	4.0
2....	4.1	7.1	....	....	....	....	16	84	371	48	9.8	3.8
3....	4.1	6.7	....	....	....	....	14	70	342	44	9.4	3.8
4....	3.7	7.1	....	....	....	....	17	58	298	65	8.6	3.4
5....	2.6	8.0	....	....	....	....	20	57	252	83	9.0	3.6
6....	3.0	7.1	....	....	....	....	22	69	220	62	9.0	3.4
7....	3.4	8.0	....	....	....	....	25	121	204	44	8.2	3.4
8....	3.0	8.5	....	....	....	....	26	166	192	38	8.2	3.4
9....	3.0	8.0	....	....	....	....	28	213	172	34	7.8	3.6
10....	3.0	8.5	....	....	....	....	26	326	152	31	9.4	3.8
11....	3.4	7.6	....	....	....	....	44	351	136	30	8.2	3.8
12....	4.9	7.5	....	....	....	....	50	512	128	31	6.7	3.8
13....	4.9	7.5	....	....	....	....	45	593	118	29	6.1	3.2
14....	4.9	6.5	....	....	....	....	38	640	116	25	5.2	3.0
15....	4.9	5.4	....	....	....	....	33	735	109	25	4.6	2.6
16....	4.9	5.4	....	....	....	....	33	780	101	26	4.6	2.8
17....	4.5	5.4	....	....	....	....	30	720	94	24	4.9	2.4
18....	4.5	5.8	....	....	....	....	29	613	89	23	6.4	2.2
19....	4.9	6.3	....	....	....	....	33	509	83	22	6.4	2.0
20....	6.3	5.8	....	....	....	....	31	494	77	25	7.0	1.9
21....	5.4	4.9	....	....	....	....	29	487	71	29	7.8	1.8
22....	4.9	6.3	....	....	....	....	26	467	66	24	6.1	1.9
23....	4.9	7.6	....	....	....	....	24	453	64	20	4.9	1.8
24....	4.5	8.0	....	....	....	....	32	450	62	22	6.1	2.4
25....	4.5	7.1	....	....	....	....	40	432	62	24	7.4	3.2
26....	4.5	7.1	....	....	....	....	38	425	65	18	6.4	3.6
27....	4.5	7.0	....	....	....	....	47	425	53	16	5.5	3.6
28....	4.9	6.8	....	....	....	....	57	432	50	14	5.5	3.6
29....	9.4	6.8	....	....	....	....	55	435	49	14	5.2	4.0
30....	12	6.7	....	....	....	....	46	445	49	13	4.9	4.0
31....	....	....	....	....	....	....	....	460	....	12	4.6	....
Total	154.0	209.4	....	....	....	....	967	1207.9	4260	963	214.9	93.8
Mean.	4.97	6.98	....	....	....	....	32.2	390	142	31.1	6.93	3.13
Max..	12	8.9	....	....	....	....	57	780	415	83	11	4.0
Min..	2.6	4.9	....	....	....	....	13	57	49	12	4.6	1.8
Acre-ft.	305	415	....	....	....	....	1920	23960	8450	1910	426	186

Total run-off for period=37,570 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Ute Creek Near Fort Garland, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	7.6	7.0	....	....	....	10	18	39	23	55	9.7	34
2....	7.6	6.5	....	....	....	10	20	40	28	35	8.6	28
3....	7.6	6.5	....	....	....	10	23	45	22	27	8.1	24
4....	7.0	7.0	....	....	....	10	24	45	17	23	10	22
5....	5.8	6.5	....	....	....	10	24	34	16	19	11	19
6....	4.8	7.6	....	....	....	10	25	28	17	18	17	17
7....	5.1	7.0	....	....	....	10	24	31	17	17	12	15
8....	4.8	7.0	*5.1	....	....	10	17	28	17	17	14	13
9....	4.8	7.0	....	....	....	10	16	27	20	16	14	13
10....	4.8	5.4	....	....	....	10	14	24	22	17	12	11
11....	6.2	5.4	....	....	....	10	11	23	34	16	12	10
12....	6.2	5.4	....	....	....	10	12	24	28	15	12	9.2
13....	6.5	5.4	....	....	....	10	12	21	24	14	12	8.6
14....	7.6	5.4	....	....	....	10	14	20	19	12	13	8.6
15....	11	5.6	....	....	....	10	17	17	17	14	46	9.2
16....	11	5.7	....	....	....	11	14	17	16	14	28	9.2
17....	12	5.8	....	....	....	11	14	16	16	11	39	8.6
18....	11	5.8	....	....	....	11	16	16	18	11	38	12
19....	10	6.2	....	....	....	11	17	16	20	11	29	12
20....	9.7	6.5	....	....	....	11	19	16	20	9.7	26	10
21....	9.7	8.0	....	....	....	11	23	16	20	9.2	22	9.2
22....	9.2	9.0	....	....	....	*11	22	16	20	9.7	20	7.6
23....	9.2	*10	....	....	....	11	28	16	19	10	17	7.0
24....	9.2	9.8	....	....	....	11	31	18	17	13	16	7.6
25....	8.6	9.4	....	....	....	11	30	24	17	21	14	7.0
26....	8.6	7.8	....	....	....	11	28	24	15	17	15	7.6
27....	8.1	7.2	....	....	....	11	35	24	16	14	24	9.2
28....	8.1	6.7	....	....	....	14	28	31	17	14	22	10
29....	8.1	6.9	....	....	....	20	28	36	36	11	39	10
30....	6.2	6.8	....	....	....	21	31	30	106	11	35	11
31....	5.1	....	....	....	....	17	....	24	....	11	51	....
Total	241.2	206.3	....	....	....	354	635	786	694	512.6	646.4	379.6
Mean.	7.78	6.88	....	....	....	11.4	21.2	25.4	23.1	16.5	20.9	12.7
Max..	12	10	....	....	....	....	35	45	106	55	51	34
Min..	4.8	5.4	....	....	....	....	11	16	15	9.2	8.1	7.0
Acre-ft.	478	409	....	....	....	702	1260	1560	1380	1020	1280	753

Total run-off for period=8,840 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Ute Creek Near Fort Garland, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	11	7.2	....	....	....	....	8.6	15	120	72	19	9.3
2....	11	7.2	....	....	....	....	9.0	18	119	78	19	8.4
3....	10	7.6	....	....	....	....	8.2	16	111	69	18	6.8
4....	10	7.6	....	....	....	....	8.4	16	94	111	17	6.4
5....	9.8	7.6	....	....	....	....	8.8	16	82	126	16	6.0
6....	9.8	6.8	....	....	....	....	9.0	20	87	124	16	6.4
7....	9.3	6.0	....	....	....	....	9.6	28	99	84	16	5.6
8....	8.9	8.9	....	....	....	....	10	31	96	67	16	5.6
9....	8.4	9.8	....	....	....	....	12	38	108	61	17	5.6
10....	7.6	8.4	....	....	....	*8.6	11	51	116	59	27	5.6
11....	7.6	6.8	....	....	....	....	14	57	115	55	20	6.0
12....	8.0	6.8	....	....	....	....	16	75	109	50	18	5.2
13....	8.4	6.8	....	....	....	....	15	103	103	44	16	4.8
14....	8.4	6.4	....	....	....	....	12	127	101	42	14	3.4
15....	8.0	6.0	....	....	....	....	12	149	97	41	14	3.4
16....	7.6	6.0	....	....	....	....	12	165	93	42	13	3.4
17....	7.2	6.0	....	....	....	....	11	148	86	35	14	3.1
18....	7.2	6.0	....	....	....	....	11	118	85	30	18	3.1
19....	8.4	5.6	....	....	....	....	11	100	91	34	16	2.8
20....	7.6	5.6	....	....	....	....	12	106	95	39	20	2.2
21....	7.6	5.2	....	....	....	....	11	115	95	35	23	2.2
22....	8.0	6.0	....	....	....	....	9.8	119	90	33	18	1.8
23....	7.6	5.6	....	....	....	....	10	131	88	29	16	1.5
24....	7.2	6.0	....	....	....	....	14	140	86	26	16	1.8
25....	7.6	5.2	....	....	....	....	14	133	89	26	17	2.2
26....	7.6	6.0	....	....	....	....	12	120	90	24	14	2.8
27....	7.6	5.8	....	....	....	....	14	99	75	23	14	3.1
28....	7.6	5.8	....	....	....	....	14	94	73	22	12	3.1
29....	11	5.8	....	....	....	....	14	98	74	20	12	2.8
30....	9.8	5.7	....	....	....	....	13	108	73	20	12	2.2
31....	8.4	....	....	....	....	....	....	118	....	20	11	....
Total	264.2	196.2	....	....	....	....	346.4	2672	2840	1541	509	126.6
Mean.	8.52	6.54	....	....	....	....	11.5	86.2	94.7	49.7	16.4	4.22
Max..	11	9.8	....	....	....	....	16	165	120	126	27	9.3
Min..	7.2	5.2	....	....	....	....	8.2	15	73	20	11	1.5
Acre-ft.	524	389	....	....	....	....	687	5300	5630	3060	1010	251

Total run-off for period=16,850 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Conejos River at Platoro, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	6.6	11	....	....	....	....	....	320	590	354	46	48
2....	6.6	14	....	....	....	....	....	350	655	296	43	39
3....	6.6	16	....	....	....	....	....	380	443	263	39	33
4....	6.6	13	....	....	....	....	....	388	322	228	42	28
5....	6.6	11	....	....	....	....	....	344	283	198	52	25
6....	6.6	16	....	....	....	....	....	267	275	180	46	21
7....	7.2	14	....	....	....	....	....	247	376	173	39	19
8....	7.8	15	....	....	....	....	....	188	468	166	32	16
9....	7.8	17	....	....	....	....	....	156	523	163	39	15
10....	8.4	14	....	....	....	....	....	137	528	150	58	14
11....	9.0	14	....	....	....	....	....	160	513	134	40	13
12....	11	10	....	....	....	....	....	173	443	120	33	13
13....	13	Nov. 1 to 12	....	....	....	....	....	160	376	112	30	12
14....	13		....	....	....	....	....	150	372	109	33	13
15....	13	....	....	....	....	....	....	128	414	120	36	13
16....	13	....	....	....	....	....	....	137	419	85	33	14
17....	13	....	....	....	....	....	....	160	429	78	33	14
18....	13	....	....	....	....	....	....	188	448	64	114	14
19....	13	....	....	....	....	....	....	213	443	57	70	13
20....	13	....	....	....	....	....	....	255	458	55	57	12
21....	13	....	....	....	....	....	....	243	453	52	48	9.7
22....	13	....	....	....	....	....	....	213	438	76	43	5.6
23....	13	....	....	....	....	....	....	255	414	90	36	4.9
24....	13	....	....	....	....	....	....	395	386	85	32	4.9
25....	12	....	....	....	....	....	....	483	362	76	32	4.9
26....	11	....	....	....	....	....	....	483	354	60	28	7.0
27....	11	....	....	....	....	....	....	518	340	58	32	11
28....	11	....	....	....	....	....	....	595	344	52	28	14
29....	11	....	....	....	....	....	....	563	331	46	35	13
30....	11	....	....	....	....	....	....	528	523	60	60	20
31....	9.0	....	....	....	....	....	....	543	....	55	70	....
Total	322.8	165	....	....	....	....	....	9320	12723	3815	1359	484.0
Mean.	10.4	13.8	....	....	....	....	....	301	424	123	43.8	16.1
Max..	13	17	....	....	....	....	....	595	655	354	114	48
Min..	6.6	10	....	....	....	....	....	128	275	46	28	4.9
Acre-ft.	640	330	....	....	....	....	....	18490	25240	7570	2700	960

Total run-off for period=35,930 acre-feet.

Discharge of Conejos River at Platoro, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	13	11	....	....	....	....	....	50	752	615	71	14
2....	12	10	....	....	....	....	....	68	702	561	69	11
3....	12	10	....	....	....	....	....	68	538	525	65	9.6
4....	12	10	....	....	....	....	....	62	395	510	57	9.6
5....	11	11	....	....	....	....	....	95	336	598	53	9.6
6....	9.7	10	....	....	....	....	....	140	367	598	52	9.6
7....	9.0	8.8	....	....	....	....	....	170	438	485	50	9.6
8....	8.6	7.6	....	....	....	....	....	210	523	431	49	9.6
9....	8.4	9.0	....	....	....	....	....	250	655	384	79	8.8
10....	8.4	11	....	....	....	....	....	230	739	346	55	8.0
11....	9.0	10	....	....	....	....	....	210	746	302	55	8.8
12....	11	9.7	....	....	....	....	....	320	696	268	53	8.0
13....	9.7	9.7	....	....	....	....	....	430	714	248	42	7.4
14....	8.8	9.7	....	....	....	....	....	520	696	228	33	7.4
15....	8.8	9.5	....	....	....	....	....	590	714	198	29	7.4
16....	7.9	9.2	....	....	....	....	....	540	720	181	29	7.4
17....	7.0	9.0	....	....	....	....	....	500	678	168	28	7.4
18....	5.6	8.8	....	....	....	....	....	360	696	149	28	7.4
19....	7.0	9.2	....	....	....	....	....	310	786	162	33	7.4
20....	3.5	9.0	....	....	....	....	....	370	861	184	38	7.4
21....	7.0	8.8	....	....	....	....	....	450	929	178	41	6.8
22....	8.8	8.8	....	....	....	....	....	540	850	146	38	6.8
23....	8.8	8.8	....	....	....	....	....	696	824	132	36	6.8
24....	8.8	8.4	....	....	....	....	....	672	888	120	36	8.0
25....	8.8	8.2	....	....	....	....	....	633	798	118	39	8.0
26....	8.8	6.5	....	....	....	....	....	543	804	110	35	10
27....	8.8	5.0	....	....	....	....	....	434	747	97	28	11
28....	12	5.2	....	....	....	....	....	478	699	90	25	15
29....	16	5.8	....	....	....	....	....	633	699	88	21	15
30....	12	....	....	....	....	....	....	714	729	82	18	12
31....	11	....	....	....	....	....	....	714	....	75	15	....
Total	293.2	264.3	....	....	....	....	....	12000	20719	8377	1300	274.8
Mean.	9.46	8.81	....	....	....	....	....	387	691	270	41.9	9.16
Max..	16	11	....	....	....	....	....	714	929	615	79	15
Min..	3.5	5.0	....	....	....	....	....	50	336	75	15	6.8
Acre-ft.	582	524	....	....	....	....	....	23800	41100	16620	2580	545

Total run-off for period=85,750 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of Conejos River at Counsellors Cabin Near Mogote, Colo., for Year Ending
Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	72	68	....	....	....	....	76	270	2250	1360	155	66
2....	64	64	....	....	....	....	76	320	2220	1160	149	60
3....	62	66	....	....	....	....	84	320	1900	1120	137	58
4....	58	66	....	....	....	....	119	300	1350	1160	130	57
5....	57	64	....	....	....	....	130	382	1100	1350	127	53
6....	56	57	....	....	....	....	150	607	1120	1270	130	53
7....	54	56	....	....	....	....	178	820	1320	1110	122	51
8....	54	47	....	....	....	....	209	896	1500	910	117	51
9....	52	58	....	....	....	....	231	910	1840	861	152	50
10....	52	60	....	....	....	....	195	945	2060	762	143	48
11....	52	56	....	....	....	....	178	768	2190	710	146	47
12....	68	54	....	....	....	....	240	945	2000	613	127	45
13....	66	50	....	....	....	....	253	1270	1960	556	119	43
14....	63	47	....	....	....	....	190	1480	1960	519	105	43
15....	62	47	....	....	....	....	170	1800	1930	490	93	42
16....	62	46	....	....	....	....	150	1790	1940	426	89	45
17....	62	48	....	....	....	....	145	1520	1760	414	93	45
18....	60	52	....	....	....	....	157	1070	1690	376	100	47
19....	68	48	....	....	....	....	165	1110	1850	361	102	42
20....	66	47	....	....	....	....	170	1320	2020	426	117	40
21....	60	47	....	....	....	....	150	1480	2100	454	146	39
22....	64	50	....	....	....	....	130	1660	2030	376	105	39
23....	63	52	....	....	....	....	120	1920	1840	345	93	40
24....	62	50	....	....	....	....	140	2090	1890	315	117	48
25....	60	48	....	....	....	....	180	2090	1870	290	122	50
26....	62	46	....	....	....	....	190	1870	1710	262	114	62
27....	62	32	....	....	....	....	220	1480	1620	225	96	62
28....	68	27	....	....	....	....	290	1390	1480	203	87	77
29....	95	30	....	....	....	....	260	1770	1370	188	79	73
30....	86	35	....	....	....	*	250	2140	1530	185	73	62
31....	72	....	....	....	....	....	....	2180	....	167	69	....
Total	1964	1518	1116	1147	1247	1612	5196	38913	53400	18964	3554	1538
Mean.	63.4	50.6	36	37	43	52	173	1255	1780	612	115	51.3
Max..	95	68	....	....	....	....	290	2180	2250	1360	155	77
Min..	52	27	....	....	....	....	76	270	1100	167	69	39
Acre-ft.	3900	3010	2210	2280	2470	3200	10310	77180	105900	37610	7050	3050

Total run-off for period=258,200 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Conejos River Near Mogote, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	49	58	37	43	51	54	163	1480	1320	810	139	145
2....	49	61	39	44	48	53	197	1670	1710	649	121	120
3....	50	64	52	45	45	54	240	1720	1240	555	120	111
4....	49	61	46	41	43	59	294	1740	900	477	137	100
5....	49	53	39	40	45	58	334	1340	760	412	163	92
6....	49	59	34	39	41	45	401	1030	760	372	137	84
7....	49	59	34	38	44	51	395	966	850	350	133	78
8....	48	57	36	38	46	52	339	810	944	350	114	74
9....	45	59	36	38	49	61	344	666	1110	339	114	69
10....	46	53	36	39	42	52	273	585	1190	350	129	68
11....	46	51	36	39	42	50	220	592	1280	313	127	64
12....	48	50	35	39	49	51	200	640	1130	294	107	59
13....	55	49	36	41	50	54	203	608	955	281	102	57
14....	63	52	37	42	52	57	252	585	830	273	112	57
15....	61	54	37	43	53	50	344	512	870	298	149	55
16....	65	55	36	44	55	39	412	484	870	268	149	55
17....	66	43	35	43	55	53	366	512	850	224	118	55
18....	68	55	35	40	54	52	328	570	890	203	214	52
19....	61	55	36	38	53	44	378	600	890	186	211	49
20....	57	55	31	39	57	52	562	692	890	184	167	46
21....	57	39	36	44	55	53	683	730	900	169	145	44
22....	57	37	33	51	59	55	780	649	840	179	133	44
23....	55	49	34	51	60	55	922	632	800	214	123	44
24....	54	57	38	50	57	52	1030	890	750	194	112	46
25....	53	55	37	48	57	52	1080	1190	692	191	111	45
26....	52	43	35	45	52	60	1100	1280	683	172	112	46
27....	51	42	28	45	53	81	1030	1220	649	152	118	52
28....	51	51	32	46	61	94	1060	1490	750	152	118	58
29....	55	40	40	48	....	131	1200	1450	700	139	133	68
30....	52	38	40	49	....	167	1350	1310	955	141	127	73
31....	53	....	40	50	....	154	....	1320	....	156	163	....
Total	1663	1554	1136	1340	1428	1995	16480	29963	27958	9047	4158	2010
Mean.	53.6	51.8	36.6	43.2	51.0	64.4	549	967	932	292	134	67.0
Max..	68	64	52	51	61	167	1350	1740	1710	810	214	145
Min..	45	37	28	38	41	39	163	484	649	139	102	44
Acre-ft.	3300	3080	2250	2660	2830	3960	32690	59430	55450	17940	8250	3990

Total run-off for period=195,800 acre-feet.

Discharge of Conejos River Near Mogote, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	75	75	*38	34	41	*48	94	313	2680	1440	175	66
2....	65	70	42	36	*43	53	88	372	2700	1260	167	62
3....	63	70	37	37	44	55	98	372	2380	1180	156	58
4....	60	72	48	*37	45	53	112	334	1720	1240	144	56
5....	57	73	46	37	49	48	158	453	1350	1380	133	55
6....	55	68	44	37	45	38	186	760	1340	1350	140	55
7....	54	53	41	38	44	43	220	1110	1540	1200	125	53
8....	54	48	40	38	46	48	228	1260	1680	945	118	53
9....	53	61	28	35	50	49	244	1300	2020	880	127	52
10....	52	63	21	34	44	49	194	1370	2300	770	140	49
11....	53	58	45	35	43	57	172	1140	2420	700	133	48
12....	72	55	44	36	45	68	211	1350	2220	592	133	47
13....	69	55	50	35	51	73	264	1820	2180	544	120	46
14....	64	52	*46	35	55	59	200	1940	2140	499	106	46
15....	64	50	49	37	57	58	172	2270	2070	471	96	43
16....	63	51	50	42	57	53	167	2360	2080	414	89	47
17....	63	51	46	46	57	59	147	2020	1930	402	91	46
18....	60	53	46	50	59	66	156	1410	1810	374	99	47
19....	72	51	46	*50	53	58	167	1400	1950	352	99	44
20....	70	50	41	45	58	64	174	1670	2100	402	104	42
21....	63	50	36	45	*61	52	156	1870	2240	450	116	42
22....	68	53	36	44	66	*53	139	2080	2180	379	89	42
23....	68	55	32	44	63	63	129	2330	2010	340	76	42
24....	66	54	33	45	59	69	152	2530	2030	330	97	48
25....	65	49	34	43	66	75	197	2520	2040	301	102	49
26....	65	49	34	44	61	65	200	2300	1810	274	101	61
27....	65	34	35	45	54	69	277	1840	1770	249	89	64
28....	69	28	28	40	51	63	302	1700	1610	231	82	80
29....	96	34	31	41	46	59	268	2100	1480	214	77	86
30....	95	37	32	40	....	72	256	2520	1620	204	71	77
31....	82	....	32	39	....	84	....	2600	....	191	69	....
Total	2040	1622	1211	1244	1513	1823	5528	49414	59410	19558	3464	1606
Mean.	65.8	54.1	39.1	40.1	52.2	58.8	184	1594	1980	631	112	53.5
Max..	96	75	50	50	66	84	302	2600	2700	1440	175	86
Min..	52	28	21	34	41	38	88	313	1340	191	69	42
Acre-ft.	4050	3220	2400	2470	3000	3620	10960	98010	117800	38790	6870	3190

Total run-off for period=294,400 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Conejos River Near La Sauces, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	30	29	45	48	56	80	35	721	498	234	12	26
2....	31	29	46	46	56	78	35	874	504	224	12	27
3....	31	29	46	46	56	76	31	1080	702	122	13	27
4....	31	29	45	48	60	73	23	1080	461	53	14	26
5....	30	29	45	45	56	73	20	1000	285	35	14	26
6....	30	29	45	43	55	70	20	691	196	23	13	24
7....	30	28	44	42	55	64	28	586	170	15	14	23
8....	29	28	43	43	59	61	40	525	128	12	14	22
9....	28	28	47	42	60	59	32	412	110	9.6	14	21
10....	29	28	47	41	59	60	27	357	114	9.1	15	21
11....	28	29	47	43	63	58	24	297	211	7.8	16	21
12....	28	29	47	43	64	55	20	261	322	7.6	15	20
13....	28	32	47	43	63	54	15	232	323	6.8	15	20
14....	28	35	50	43	63	54	15	201	285	7.2	14	20
15....	28	35	52	43	69	54	14	169	199	11	13	21
16....	28	33	51	43	76	54	15	135	150	11	14	21
17....	28	33	51	42	80	54	31	116	119	12	14	21
18....	28	34	51	40	80	54	35	104	79	12	16	21
19....	29	33	51	38	79	52	43	95	51	14	16	21
20....	29	33	51	43	77	50	127	84	39	16	20	21
21....	30	32	51	47	77	49	325	92	34	15	22	23
22....	31	31	52	53	77	48	443	121	33	15	22	22
23....	31	31	51	53	78	47	551	117	31	15	21	24
24....	30	31	51	54	79	46	728	118	26	15	21	24
25....	30	31	52	54	79	44	769	165	25	15	20	24
26....	30	31	53	55	79	43	811	301	22	15	22	24
27....	28	36	51	55	79	43	755	367	17	15	23	23
28....	28	44	53	55	78	43	641	451	18	15	23	23
29....	28	43	50	55	....	40	628	593	18	15	23	23
30....	28	43	49	54	....	37	669	617	22	14	23	24
31....	28	....	48	55	....	35	....	566	....	13	25	....
Total	904	965	1517	1458	1912	1708	6950	12528	5192	1004.1	533	684
Mean.	29.2	32.2	48.9	47.0	68.3	55.1	232	404	173	32.4	17.2	22.8
Max..	31	44	53	55	80	80	811	1080	702	234	25	27
Min..	28	28	44	38	55	35	14	84	17	6.8	12	20
Acre-ft.	1790	1910	3010	2890	3790	3390	13790	24850	10300	1990	1060	1360

Total run-off for period=70,130 acre-feet.

Discharge of Conejos River Near La Sauces, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	24	42	50	48	82	81	104	216	2200	563	6.0	5.8
2....	23	43	49	49	83	84	109	350	2190	499	5.1	7.2
3....	23	43	49	52	84	91	112	437	2110	456	5.1	7.6
4....	23	42	49	55	84	91	107	356	1950	506	5.1	8.3
5....	26	42	49	52	81	99	106	316	1370	556	5.1	9.8
6....	26	42	49	55	81	96	128	520	910	653	4.6	11
7....	28	42	47	66	81	94	174	995	832	645	4.6	9.9
8....	28	41	47	62	82	94	218	1560	812	541	4.6	12
9....	27	41	45	59	83	100	240	1860	924	440	4.6	10
10....	25	43	43	64	83	108	257	1930	1090	399	4.6	11
11....	25	43	44	66	82	116	215	2200	1250	355	4.6	13
12....	25	42	47	64	80	136	136	1880	1430	276	5.1	11
13....	26	43	51	60	80	157	159	2230	1360	224	5.1	10
14....	33	44	55	61	79	165	208	2750	1250	181	4.6	11
15....	33	45	52	65	79	157	167	2980	1160	140	4.6	12
16....	34	45	52	64	80	139	124	3010	1080	104	4.8	15
17....	34	46	52	61	80	131	95	3090	964	72	5.0	15
18....	34	46	51	60	80	145	65	2740	816	49	5.5	16
19....	35	46	52	58	80	116	57	1890	744	31	6.0	15
20....	36	46	52	59	79	124	71	1910	795	25	6.0	15
21....	35	46	52	59	80	103	72	2160	869	23	5.6	11
22....	36	46	52	60	80	100	64	2250	941	22	6.0	5.6
23....	38	45	54	61	80	98	64	2300	906	18	5.6	5.6
24....	37	45	52	63	80	104	57	2460	855	17	5.8	6.0
25....	35	45	52	65	80	108	45	2560	894	17	7.4	6.9
26....	35	45	51	67	82	115	43	2490	906	10	7.4	9.0
27....	36	46	51	68	83	106	49	2200	862	10	6.0	10
28....	37	50	49	69	83	95	120	1760	801	9.2	6.0	10
29....	38	50	48	74	81	88	232	1610	734	8.8	5.1	11
30....	40	50	46	77	....	91	198	1740	618	7.8	5.1	11
31....	41	....	48	79	....	102	....	2020	....	8.4	5.1	....
Total	976	1335	1540	1922	2352	3434	3796	56770	33623	6866.2	165.8	311.7
Mean.	31.5	44.5	49.7	62.0	81.1	111	127	1831	1121	221	5.35	10.4
Max..	41	50	55	79	84	165	257	3090	2200	653	7.4	16
Min..	23	41	43	48	79	81	43	216	618	7.4	4.6	5.6
Acre-ft.	1940	2650	3050	3810	4670	6810	7530	112600	66690	13620	329	618

Total run-off for period=224,300 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of San Antonio River at Ortiz, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.5	5.1	....	....	....	....	52	178	9.7	6.9	17	6.9
2....	0.5	3.4	....	....	....	....	*56	171	7.4	4.2	5.9	3.8
3....	0.5	3.8	....	....	....	....	59	150	10	1.6	1.9	2.6
4....	0.5	3.4	....	....	....	....	65	130	9.2	0.6	1.1	1.7
5....	0.5	3.0	....	....	....	....	69	120	6.9	0.4	19	1.1
6....	0.5	2.0	....	....	....	....	91	95	5.5	0.2	26	0.8
7....	0.6	1.7	....	....	....	....	91	96	4.2	0.1	14	0.4
8....	0.6	1.9	....	....	....	....	70	80	3.0	0.1	3.8	0.4
9....	0.6	1.9	....	....	....	....	67	65	2.0	0.1	3.8	0.3
10....	0.8	2.0	....	....	....	....	51	59	1.9	0.2	8.0	0.4
11....	0.8	2.0	....	....	....	....	40	49	5.1	0.5	5.5	0.6
12....	0.9	2.0	....	....	....	....	35	42	6.9	0.9	3.0	0.4
13....	1.2	2.3	....	....	....	....	35	38	4.2	0.4	2.6	0.4
14....	1.7	*2.7	....	....	....	....	59	36	3.8	0.2	22	0.6
15....	3.8	2.7	*2.6	....	....	....	100	33	3.0	0.4	24	4.2
16....	4.2	2.7	....	....	....	....	139	29	2.2	0.5	10	2.6
17....	4.7	2.9	....	....	....	....	107	26	2.2	0.5	32	2.2
18....	8.0	3.0	....	....	....	....	120	22	1.9	0.4	31	2.0
19....	9.2	3.0	....	....	....	....	152	22	1.9	0.2	14	2.0
20....	6.9	3.0	....	....	....	....	212	21	1.6	0.1	5.5	1.9
21....	5.9	3.2	....	....	....	....	205	25	1.6	2.0	2.2	1.7
22....	4.7	3.4	....	....	....	....	215	25	1.2	2.2	1.4	1.4
23....	4.2	3.6	....	....	....	....	254	23	1.1	1.4	1.1	1.2
24....	3.4	*3.9	....	....	....	....	256	22	0.6	1.6	0.8	1.4
25....	2.6	3.9	....	....	....	....	235	17	0.4	1.1	0.6	1.6
26....	2.6	3.7	....	....	....	....	233	15	0.4	0.6	0.9	1.6
27....	2.6	3.4	....	....	....	....	195	16	0.4	0.4	25	1.6
28....	2.6	3.2	....	....	....	....	190	13	0.4	0.2	14	2.0
29....	3.0	3.3	....	....	....	....	193	13	6.9	0.2	8.6	4.7
30....	3.4	3.2	....	....	....	....	188	13	6.3	3.0	6.3	3.0
31....	5.9	....	....	....	....	....	12	....	6.3	5.9	....	....
Total	87.9	89.3	77.5	108.5	112	232.5	3834	1656	111.9	37.5	316.9	55.5
Mean	2.84	2.98	2.5	3.5	4.0	7.5	128	53.4	3.73	1.21	10.2	1.85
Max.	9.2	5.1	....	....	....	....	256	178	10	6.9	32	6.9
Min.	0.5	1.7	....	....	....	....	35	12	0.4	0.1	0.6	0.3
Acre-ft.	174	177	154	215	222	461	7600	3280	222	74	629	110

Total run-off for period=13,320 acre-feet.

*Winter discharge measurement made on this day.

Discharge of San Antonio River at Ortiz, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	2.6	5.1	*2.6	....	....	*3.1	17	172	82	2.1	0	0.1
2....	2.0	5.5	....	....	*3.0	....	18	172	65	1.9	0	0
3....	1.9	4.7	....	....	....	....	*19	124	76	1.7	0	0
4....	1.9	6.3	....	....	....	....	21	101	68	1.7	0	0
5....	1.9	3.0	....	....	....	....	24	165	48	18	0	0
6....	2.0	2.6	....	....	....	....	25	226	45	18	0	0
7....	1.9	1.9	....	....	....	....	29	303	41	12	0.8	0
8....	2.0	1.6	....	....	....	....	31	333	37	6.8	1.9	0
9....	2.2	3.0	....	....	....	....	34	309	32	3.8	1.2	0
10....	2.6	2.6	....	....	....	....	36	402	28	2.4	0.4	0
11....	1.6	3.0	....	....	....	....	32	356	26	1.5	0.3	0
12....	2.2	5.1	....	....	....	....	28	545	22	1.4	0.4	0
13....	8.6	6.3	....	....	....	....	30	640	20	0.8	0.2	0
14....	4.7	7.4	....	....	....	....	32	620	18	0.4	0.1	0
15....	3.4	6.9	....	....	....	....	28	604	16	0.2	0.1	0
16....	2.6	8.0	....	....	....	....	25	541	14	0.2	0.1	0
17....	2.2	6.9	....	....	....	....	23	382	13	0.2	0	0
18....	2.2	6.9	....	....	....	....	*22	220	12	0.1	0	0
19....	2.2	5.9	....	....	....	....	45	250	11	0	0	0
20....	6.9	5.9	....	....	....	....	34	256	9.9	0	0	0
21....	6.3	5.9	....	....	*2.3	....	28	259	9.2	1.2	0.8	0
22....	6.9	6.9	....	....	....	....	26	239	8.8	7.5	2.6	0
23....	6.3	3.8	....	....	....	....	21	234	7.5	4.7	1.7	0
24....	5.5	4.2	....	*2.0	....	....	29	210	6.8	3.0	0.8	0
25....	4.7	7.4	....	....	....	....	49	180	6.2	3.8	0.6	0
26....	4.7	6.3	....	....	....	....	58	155	3.5	4.0	1.2	0
27....	4.2	2.6	....	....	....	....	140	140	2.8	2.3	2.1	0
28....	4.2	2.0	....	....	....	....	191	129	2.3	1.2	1.9	0
29....	5.9	2.2	....	....	....	....	93	120	1.9	0.5	1.0	0
30....	11	2.5	....	....	....	....	86	111	1.9	0.2	0.6	0.1
31....	7.4	....	....	....	....	....	107	....	....	0.1	0.2	....
Total	124.7	142.4	68.2	62.0	75.4	236	1274	8605	734.8	101.1	19.0	0.2
Mean	4.02	4.75	2.20	2.00	2.60	7.61	42.5	278	24.5	3.28	0.61	0.01
Max.	11	8.0	....	....	....	....	191	640	82	18	2.6	0.1
Min.	1.6	1.6	....	....	....	....	17	101	1.9	0	0	0
Acre-ft.	247	282	135	123	150	468	2530	17070	1460	202	38	0.4

Total run-off for period=22,710 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of San Antonio River at Mouth Near Manassa, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0	0.1	*0.5	0.7	1.8	5.5	5.4	680	155	94	1.4	1.7
2....	0	0.1	0.5	0.7	1.8	5.5	7.2	712	158	60	1.1	1.5
3....	0	0.2	0.5	0.7	1.8	5.5	5.0	694	182	30	1.0	1.2
4....	0	0.2	0.5	0.7	1.8	5.5	9.2	628	142	18	1.1	1.0
5....	0	0.2	0.5	0.7	1.8	5.5	28	568	113	15	1.4	0.8
6....	0	0.3	0.5	0.7	1.8	5.5	56	443	107	9.9	1.3	0.5
7....	0	0.3	0.5	0.7	1.8	5.5	101	447	102	7.2	1.1	0.4
8....	0	0.3	0.5	0.7	1.8	5.5	82	401	83	6.4	0.9	0.3
9....	0	0.3	0.5	0.7	1.8	5.5	71	338	82	5.4	0.9	0.2
10....	0	0.4	0.5	0.7	1.8	5.5	43	293	84	3.6	1.9	0.2
11....	0	0.4	0.5	0.7	1.8	5.5	24	252	125	1.4	1.9	0.1
12....	0	0.6	0.5	0.7	1.8	5.5	16	232	142	1.3	1.4	0.1
13....	0	*0.7	0.5	0.7	1.8	5.5	11	202	142	0.9	1.1	0.1
14....	0	0.6	0.5	0.7	1.8	5.5	9.2	185	122	0.8	1.5	0
15....	0	0.6	0.5	0.7	1.8	5.5	26	165	94	1.1	1.7	0
16....	0	0.6	0.5	0.7	1.8	5.5	101	145	82	4.2	1.5	0
17....	0	0.6	0.5	0.7	1.8	*9.0	125	137	65	3.2	1.4	0
18....	0	0.6	0.5	0.7	1.8	6.6	130	128	53	1.7	3.3	0
19....	0	0.6	0.5	0.7	1.8	6.4	192	124	47	2.1	5.8	0
20....	0	0.6	0.5	0.7	1.8	6.2	323	126	40	1.8	5.8	0
21....	0	0.6	0.5	0.7	1.8	6.2	450	148	39	1.5	3.8	0
22....	0	0.6	0.5	0.7	1.8	6.0	503	162	30	1.8	3.2	0
23....	0.1	0.6	0.5	0.7	1.8	4.7	648	152	18	3.2	2.4	0
24....	0.1	0.6	0.5	0.7	1.8	3.8	768	160	10	2.6	1.7	0
25....	0.1	0.6	0.5	0.7	1.8	3.8	750	162	7.2	2.5	1.2	0
26....	0.1	0.6	0.5	0.7	1.8	3.6	782	182	4.8	2.5	1.2	0
27....	0.1	0.6	0.5	0.7	1.8	3.8	680	182	4.7	2.3	1.7	0
28....	0.1	0.6	0.5	0.7	1.8	3.8	642	185	6.2	1.9	1.2	0
29....	0.1	0.6	0.5	0.7	....	3.6	694	188	13	1.5	0.9	0
30....	0.1	0.6	0.5	0.7	....	3.6	680	200	45	1.5	1.2	0
31....	0.1	....	0.5	0.7	....	4.0	....	185	....	1.5	1.8	....
Total	0.90	14.3	15.5	21.7	50.4	163.1	7962	8806	2297.9	290.8	57.8	8.1
Mean	0.03	0.48	0.5	0.7	1.8	5.26	265	284	76.6	9.38	1.86	0.27
Max.	0.1	....	....	....	....	....	782	712	182	94	5.8	1.7
Min.	0	....	....	....	....	....	5.0	124	4.7	0.8	0.9	0
Acre-ft.	1.8	28	31	43	100	324	15790	17470	4560	577	115	16

Total run-off for period=39,060 acre-feet.

*Winter discharge measurement made on this day.

Discharge of San Antonio River at Mouth Near Manassa, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.0	0.8	2.2	3.3	5.3	26	29	169	892	123	0.8	0.0
2....	0.0	0.8	2.2	3.3	5.3	26	26	328	768	116	0.7	0.0
3....	0.0	0.8	2.2	3.3	5.3	26	24	280	712	116	0.5	0.0
4....	0.0	0.8	2.2	3.3	5.3	26	20	212	618	132	0.4	0.0
5....	0.0	0.8	2.2	3.3	5.3	26	18	260	479	140	0.2	0.0
6....	0.0	0.8	2.2	3.3	5.3	26	28	482	419	160	0.2	0.0
7....	0.0	0.8	2.2	3.3	5.3	26	50	940	416	142	0.2	0.0
8....	0.0	0.8	2.2	3.3	5.3	26	90	1250	375	120	0.1	0.0
9....	0.0	0.9	2.2	3.3	5.3	26	99	1250	386	103	0.0	0.0
10....	0.0	1.1	2.2	3.3	5.3	26	70	1380	398	91	0.1	0.0
11....	0.0	1.1	2.2	3.3	5.3	26	42	1320	422	85	0.0	0.0
12....	0.0	1.2	2.2	3.3	5.3	26	45	1390	434	59	0.0	0.0
13....	0.0	1.2	2.2	3.3	5.3	26	66	1470	383	40	0.0	0.0
14....	0.1	1.2	2.2	3.3	5.3	26	61	1570	352	29	0.0	0.0
15....	0.2	1.6	2.2	3.3	5.3	26	41	1550	325	21	0.0	0.0
16....	0.2	1.8	2.2	3.3	5.3	26	37	1600	300	14	0.0	0.0
17....	0.3	1.7	2.2	3.3	5.3	26	31	1520	270	9.1	0.0	0.0
18....	0.3	1.7	2.2	3.3	5.3	26	23	1250	255	6.6	0.0	0.0
19....	0.4	1.7	2.2	3.3	5.3	26	32	1180	246	4.3	0.0	0.0
20....	0.4	1.7	2.2	3.3	5.3	26	40	1260	237	4.7	0.0	0.0
21....	0.5	1.8	2.2	3.3	5.3	26	31	1310	239	4.7	0.0	0.0
22....	0.5	1.7	2.2	3.3	5.3	26	29	1280	232	4.2	0.0	0.0
23....	0.6	1.8	2.2	3.3	5.3	26	31	1310	219	3.8	0.0	0.0
24....	0.6	1.8	2.2	3.3	5.3	26	28	1310	212	5.4	0.0	0.0
25....	0.6	1.6	2.2	3.3	5.3	26	31	1250	214	7.0	0.0	0.0
26....	0.6	1.6	2.2	3.3	5.3	26	41	1140	221	5.6	0.0	0.0
27....	0.6	1.6	2.2	3.3	5.3	26	75	980	190	4.2	0.0	0.0
28....	0.6	1.7	2.2	3.3	5.3	26	165	864	160	2.8	0.0	0.0
29....	0.6	1.7	2.2	3.3	5.3	26	137	905	137	1.8	0.0	0.0
30....	0.6	1.7	2.2	3.3	....	*26	107	935	130	2.0	0.0	0.0
31....	0.6	....	2.2	3.3	....	26	....	970	....	1.4	0.0	....
Total	8.3	40.3	68.2	102.3	153.7	806	1547	32915	10641	1558.6	3.2	0.0
Mean	0.27	1.34	2.2	3.3	5.3	26	51.6	1062	355	50.3	0.10	0.0
Max.	0.6	1.8	....	....	....	....	165	1600	892	160	0.8	0.0
Min.	0.0	0.8	....	....	....	....	18	169	130	1.4	0.0	0.0
Acre-ft.	16	80	135	203	305	1600	3070	65290	21110	3090	6.3	0.0

Total run-off for period=94,910 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Los Pinos River Near Ortiz, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	12	17	....	....	....	22	81	932	329	144	28	29
2....	12	21	....	....	....	22	98	938	387	111	22	22
3....	13	23	....	....	....	23	125	890	325	92	22	20
4....	13	21	....	....	....	24	170	842	264	75	32	18
5....	15	17	....	....	....	24	227	652	240	65	44	17
6....	15	19	....	....	....	22	336	576	240	60	28	16
7....	14	20	....	....	....	20	339	580	237	54	24	15
8....	14	19	....	....	....	22	305	453	234	55	21	14
9....	13	17	....	....	....	24	288	383	237	54	20	14
10....	13	16	....	....	....	25	223	339	244	65	23	15
11....	13	16	....	....	....	24	170	370	305	48	22	14
12....	14	15	....	....	....	24	147	376	257	43	20	13
13....	14	14	....	....	....	25	152	332	244	39	18	12
14....	18	*14	....	....	....	27	207	322	204	38	20	15
15....	17	14	*16	....	....	27	302	281	185	43	32	15
16....	17	15	....	....	....	*27	359	271	176	37	52	15
17....	18	14	....	....	....	28	339	254	161	32	45	15
18....	19	13	....	....	....	20	319	260	161	30	68	15
19....	18	14	....	....	....	28	424	280	155	28	43	14
20....	16	14	....	....	....	21	567	290	147	28	32	13
21....	15	14	....	....	....	22	643	320	136	26	27	12
22....	15	18	....	....	....	20	705	285	128	28	25	12
23....	15	20	....	....	....	19	814	294	123	32	24	12
24....	15	*23	....	....	....	20	866	308	113	29	22	16
25....	15	21	....	....	....	21	878	342	113	27	23	15
26....	15	21	....	....	....	24	878	353	102	25	32	14
27....	15	19	....	....	....	28	786	356	116	23	47	15
28....	16	17	....	....	....	32	836	376	167	22	32	24
29....	17	19	....	....	....	40	890	366	152	21	41	20
30....	14	18	....	....	....	54	914	349	220	25	28	25
31....	18	....	....	....	....	73	....	336	....	33	40	....
Total	468	523	496	434	476	832	13388	13306	6102	1432	957	486
Mean.	15.1	17.4	16.0	14.0	17.0	26.8	446	429	203	46.2	30.9	16.2
Max..	19	23	....	....	....	73	914	988	387	144	68	29
Min..	12	13	....	....	....	19	81	254	102	21	18	12
Acre-ft.	928	1040	984	861	944	1650	26550	26390	12100	2840	1900	964

Total run-off for period=77,150 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Los Pinos River Near Ortiz, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	25	24	*13	....	....	*13	29	290	922	221	22	13
2....	22	21	....	....	*18	....	30	342	820	206	19	12
3....	21	22	....	....	....	....	31	277	790	204	18	11
4....	20	25	....	....	....	....	40	277	576	209	18	11
5....	17	23	....	....	....	....	56	441	483	262	16	11
6....	17	20	....	....	....	....	84	685	519	218	20	11
7....	17	18	....	....	....	....	100	970	553	179	19	12
8....	16	20	....	....	....	....	115	1080	548	148	18	13
9....	16	21	....	....	....	....	121	1130	612	126	19	13
10....	16	32	....	....	....	....	95	1170	630	116	23	12
11....	16	23	....	....	....	....	84	1080	616	102	21	12
12....	25	22	....	....	....	....	98	1430	562	86	21	12
13....	21	20	....	....	....	....	130	1830	519	75	19	12
14....	18	21	....	....	....	....	102	1830	479	67	18	12
15....	17	22	....	....	....	....	91	1920	471	60	16	12
16....	16	20	....	....	....	....	89	1910	447	57	15	14
17....	15	18	....	....	....	....	76	1340	407	58	15	14
18....	14	20	....	....	....	....	78	922	372	52	22	14
19....	17	19	....	....	....	....	89	1110	379	49	22	14
20....	19	18	....	....	....	....	87	1280	391	48	22	13
21....	17	18	....	....	*14	....	80	1320	403	75	28	11
22....	22	17	....	....	....	*25	75	1440	375	96	22	11
23....	21	19	....	....	....	....	66	1480	347	57	18	13
24....	20	17	....	*15	....	....	76	1380	337	56	19	12
25....	21	16	....	....	....	....	104	1230	331	57	23	14
26....	21	15	....	....	....	....	119	1030	319	46	22	16
27....	21	14	....	....	....	....	190	826	286	39	18	18
28....	23	10	....	....	....	....	215	862	253	33	18	19
29....	38	12	....	....	....	....	172	946	230	30	15	19
30....	32	8	....	....	....	....	172	998	236	26	14	17
31....	26	....	....	....	....	....	....	1000	....	26	14	....
Total	627	575	418.5	434	435	589	2894	33826	14213	3084	594	398
Mean.	20.2	19.2	13.5	14.0	15.0	19.0	96.5	1091	474	99.5	19.2	13.3
Max..	38	32	....	....	....	....	215	1920	922	262	28	19
Min..	14	8	....	....	....	....	29	277	230	26	14	11
Acre-ft.	1240	1140	830	861	863	1170	5740	67090	28190	6120	1180	785

Total run-off for period=115,200 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Culebra River at San Luis, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	38	28	31	26	27	28	37	77	147	70	142	28
2....	38	28	31	26	28	28	36	76	160	55	196	31
3....	38	29	32	26	28	27	37	87	126	46	235	34
4....	37	30	33	26	28	28	39	107	132	24	221	52
5....	37	27	33	26	25	28	38	105	130	26	221	34
6....	37	27	32	26	25	27	37	103	124	98	195	59
7....	36	27	31	26	26	27	36	87	146	150	170	62
8....	35	27	31	26	28	27	35	54	160	169	178	61
9....	32	26	31	25	28	28	33	48	152	170	202	61
10....	29	26	31	25	26	28	32	30	152	176	215	51
11....	29	26	30	25	26	28	32	45	139	143	181	45
12....	29	26	30	25	26	28	30	103	79	182	137	35
13....	31	26	30	26	28	27	30	116	66	182	113	29
14....	31	26	31	26	28	27	30	144	64	196	107	32
15....	32	26	31	26	28	27	30	137	71	154	97	29
16....	31	26	31	26	29	26	33	113	110	91	95	33
17....	31	25	31	26	28	27	33	140	162	54	117	30
18....	31	26	31	26	28	26	32	192	155	55	105	29
19....	31	26	31	26	28	26	31	195	147	121	78	17
20....	31	28	31	26	28	26	32	187	125	141	63	15
21....	31	28	30	26	28	27	30	186	167	191	77	25
22....	29	28	27	26	29	*28	55	161	189	149	51	30
23....	29	28	27	26	29	28	57	137	222	24	62	37
24....	29	29	27	26	28	29	55	129	222	23	58	26
25....	29	29	28	26	28	30	56	117	236	23	90	23
26....	28	30	27	24	28	30	68	117	211	94	86	16
27....	28	30	26	25	28	32	66	114	172	192	80	25
28....	28	30	26	26	28	34	68	103	196	231	49	27
29....	31	30	26	24	....	37	65	104	170	264	40	26
30....	29	30	26	25	....	47	66	88	143	244	40	24
31....	28	....	26	26	....	37	....	110	....	206	44	....
Total	983	828	919	796	772	903	1259	3512	4475	3944	3745	1026
Mean.	31.7	27.6	29.6	25.7	27.6	29.1	42.0	113	149	127	121	34.2
Max..	38	30	33	26	29	47	68	195	236	264	235	62
Min..	28	25	26	24	25	26	30	30	64	23	40	15
Acre-ft.	1950	1640	1820	1580	1530	1790	2500	6970	8880	7820	7430	2040

Total run-off for period=45,950 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Culebra River at San Luis, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	23	28	16	22	24	25	22	21	101	213	252	104
2....	25	28	17	22	25	27	17	22	88	207	270	93
3....	9.5	28	18	23	26	27	20	22	72	184	260	88
4....	10	28	17	23	26	25	22	22	62	138	282	114
5....	14	28	15	24	24	18	22	18	74	214	272	100
6....	14	27	18	25	21	23	21	18	136	140	238	90
7....	14	25	19	26	25	24	22	15	180	123	257	72
8....	22	25	19	25	27	24	22	18	208	175	269	73
9....	31	25	20	24	27	24	16	23	208	154	273	71
10....	21	25	20	25	27	24	22	20	226	203	241	71
11....	28	25	20	25	27	25	22	20	273	229	198	82
12....	30	26	18	24	25	20	22	24	244	259	203	83
13....	30	27	20	23	20	24	22	38	250	247	179	69
14....	28	25	20	23	24	26	20	48	264	207	192	52
15....	28	25	20	23	25	25	20	96	280	211	202	35
16....	27	24	22	24	25	24	15	119	266	199	194	28
17....	17	23	27	28	25	25	20	90	275	203	192	34
18....	28	23	25	28	25	24	20	56	264	207	170	35
19....	28	25	24	28	24	18	28	50	272	232	136	44
20....	28	23	22	27	21	23	25	54	287	244	98	45
21....	28	23	22	27	24	23	25	53	318	245	97	44
22....	28	23	20	26	25	23	23	38	314	248	97	40
23....	27	20	18	22	26	23	20	58	314	240	108	39
24....	18	22	20	22	26	24	24	91	301	244	149	30
25....	27	20	20	22	26	24	24	79	268	213	138	38
26....	28	20	21	22	24	23	22	80	268	198	110	38
27....	28	14	21	27	18	23	22	67	248	180	100	38
28....	28	13	22	28	24	23	22	59	257	150	112	33
29....	32	16	23	29	25	23	22	62	247	160	108	33
30....	28	16	22	27	....	23	17	59	233	220	97	30
31....	17	....	22	25	....	23	....	123	....	242	97	....
Total	744.5	700	628	769	711	730	631	1563	6798	6329	5591	1746
Mean.	24.0	23.3	20.3	24.8	24.5	23.5	21.4	50.4	227	204	180	58.2
Max..	32	28	27	29	27	27	28	123	318	259	282	114
Min..	9.5	13	15	22	18	18	15	15	62	123	97	28
Acre-ft.	1480	1390	1250	1530	1410	1450	1270	3100	13480	12550	11090	3460

Total run-off for period=53,460 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Culebra River Below San Luis, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	42	50	39	45	43	46	37	74	147	72	138	36
2....	42	49	38	45	46	45	36	74	162	63	189	33
3....	42	50	39	45	46	44	36	86	124	49	232	33
4....	42	51	40	45	46	42	37	109	133	31	220	50
5....	42	49	41	45	41	43	36	111	129	29	223	35
6....	43	49	38	45	41	41	34	109	120	90	194	54
7....	44	52	40	45	42	41	34	100	145	145	164	60
8....	45	51	44	45	44	41	34	59	164	164	172	60
9....	45	47	44	44	47	41	32	55	154	164	194	60
10....	43	47	44	43	45	41	32	38	154	170	212	54
11....	44	47	46	43	45	41	31	44	142	138	178	54
12....	44	47	46	43	45	40	31	102	91	172	142	43
13....	49	47	46	45	47	39	31	114	78	180	122	38
14....	49	47	47	45	47	38	31	147	77	197	111	39
15....	52	47	44	*45	47	38	31	140	82	157	98	32
16....	50	47	49	45	47	37	32	111	113	95	102	34
17....	50	47	49	45	*47	38	33	129	167	56	129	34
18....	52	50	49	44	46	37	32	183	154	59	111	33
19....	52	50	49	44	46	37	32	186	145	114	66	18
20....	49	50	46	44	46	37	32	178	120	142	71	15
21....	49	53	45	44	46	38	31	178	167	189	90	27
22....	49	53	43	44	47	*38	47	154	189	150	64	36
23....	47	53	43	44	47	38	54	136	223	28	69	41
24....	47	53	44	44	46	39	53	131	229	26	66	36
25....	49	54	47	44	46	39	54	118	244	26	98	37
26....	50	54	47	42	46	39	60	118	214	100	93	31
27....	49	54	46	42	46	38	59	118	164	206	98	36
28....	47	54	45	43	46	38	60	113	194	238	60	37
29....	51	54	45	40	....	38	59	114	164	276	49	39
30....	50	54	45	41	....	37	59	100	154	251	44	37
31....	49	....	45	42	....	37	....	114	....	212	55	....
Total	1458	1510	1373	1360	1274	1226	1200	3543	4543	3989	3854	1172
Mean..	47.0	50.3	44.3	43.9	45.5	39.5	40.0	114	151	129	124	39.1
Max....	52	54	49	45	47	46	60	186	244	276	232	60
Min....	42	47	38	40	41	37	31	38	77	26	44	15
Acres-ft.	2890	3000	2720	2700	2530	2430	2380	7030	9010	7910	7640	2320

Total run-off for period=52,560 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Culebra River Below San Luis, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	37	36	32	36	37	39	44	40	101	198	263	87
2....	38	37	32	36	36	41	38	38	100	193	270	76
3....	25	37	34	36	37	44	41	38	85	152	267	74
4....	27	38	33	37	38	42	41	38	77	103	283	97
5....	28	39	27	38	36	39	40	35	77	245	276	84
6....	29	39	33	39	33	39	39	36	114	142	238	79
7....	30	37	34	40	37	39	35	35	165	109	260	65
8....	36	36	34	37	39	38	37	37	182	168	283	67
9....	39	38	34	36	39	38	32	42	201	142	290	66
10....	29	39	35	37	39	38	35	42	233	209	267	67
11....	40	38	35	37	38	45	38	41	306	227	188	80
12....	40	37	33	36	36	45	38	50	248	267	194	84
13....	40	38	34	35	32	53	37	64	233	255	163	73
14....	39	36	34	35	35	65	33	70	242	201	174	57
15....	40	33	34	36	37	58	33	110	271	184	182	40
16....	38	33	36	38	37	55	27	129	258	187	168	34
17....	29	32	44	43	37	58	33	116	267	193	174	40
18....	38	32	42	43	36	53	30	78	251	184	147	39
19....	40	32	40	43	34	46	39	71	245	221	115	49
20....	40	32	*39	42	30	50	40	74	264	236	85	51
21....	40	32	38	*42	34	50	39	76	315	233	82	51
22....	40	33	33	40	36	50	38	57	319	239	82	47
23....	39	33	31	34	*37	50	35	64	312	230	88	45
24....	29	37	33	34	38	50	40	94	296	248	124	38
25....	38	34	34	34	39	48	38	88	267	209	116	44
26....	40	36	35	34	39	48	37	93	258	190	90	45
27....	40	27	35	38	35	48	37	83	230	163	82	49
28....	40	27	36	40	35	46	37	77	236	148	90	45
29....	46	34	37	41	38	46	37	68	236	155	88	44
30....	38	32	38	42	....	46	35	70	230	163	80	41
31....	27	....	36	40	....	46	....	114	....	222	80	....
Total	1119	1044	1085	1179	1054	1453	1103	2068	6619	6016	5289	1758
Mean..	36.1	34.8	35.0	38.0	36.3	46.9	36.8	66.7	221	194	171	58.6
Max....	46	39	44	43	39	65	44	129	319	267	290	97
Min....	25	27	27	34	30	38	27	35	77	103	80	34
Acres-ft.	2220	2070	2150	2340	2090	2880	2190	4100	13130	11930	10490	3490

Total run-off for period=59,080 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of La Garita Creek Near La Garita, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	5.3	6.8	....	....	....	....	8.9	12	11	5.0	4.4	12
2....	4.8	7.3	....	....	....	....	8.6	12	20	4.4	4.4	12
3....	4.8	6.9	....	....	....	....	11	11	18	4.2	5.0	11
4....	4.8	7.1	....	....	....	....	12	10	12	4.0	6.5	10
5....	4.8	6.8	....	....	....	....	13	10	11	3.8	5.6	10
6....	4.8	7.1	....	....	....	....	19	10	7.1	3.8	8.4	9.7
7....	4.8	7.3	....	....	....	....	14	12	6.5	3.8	6.2	9.4
8....	4.8	7.1	....	....	....	....	7.8	13	6.0	5.0	5.3	8.7
9....	5.2	7.9	*3.6	....	....	....	6.2	11	6.0	4.6	8.7	8.4
10....	5.2	7.6	....	....	....	....	5.6	9.8	6.0	3.8	7.4	8.1
11....	5.2	7.9	....	....	....	....	3.8	9.5	9.5	3.5	7.8	7.8
12....	5.5	8.2	....	....	....	....	5.2	8.0	8.6	4.8	12	7.8
13....	7.0	7.9	....	....	....	....	4.8	7.3	7.6	3.5	18	8.1
14....	7.0	9.3	....	....	....	....	7.1	6.9	6.7	3.3	16	9.7
15....	6.5	8.5	....	....	....	....	12	7.6	6.0	6.2	12	8.7
16....	6.5	*7.9	....	....	....	....	11	7.3	5.8	5.0	30	8.1
17....	6.5	Nov. 1	....	....	....	....	7.1	7.3	5.6	3.6	27	7.4
18....	6.4	to 16	....	....	....	....	9.2	7.8	5.6	3.0	19	7.1
19....	6.2	....	....	....	....	....	9.2	7.3	5.6	2.8	19	6.2
20....	5.8	....	....	....	....	....	14	8.9	5.2	2.6	20	5.3
21....	5.8	....	....	....	....	....	9.8	11	5.0	2.6	14	5.0
22....	5.6	....	....	....	....	....	11	11	4.2	13	17	5.0
23....	5.6	....	....	....	....	....	15	9.2	4.0	7.1	14	5.0
24....	5.4	....	....	....	....	....	16	8.9	4.0	5.9	14	5.0
25....	5.4	....	....	....	....	*5.8	15	8.9	4.0	5.9	16	4.7
26....	5.4	....	....	....	....	....	13	8.6	3.8	5.6	19	4.4
27....	5.4	....	....	....	....	....	10	8.6	5.0	5.3	19	6.2
28....	6.6	....	....	....	....	....	9.8	9.2	4.6	4.7	15	6.2
29....	6.4	....	....	....	....	....	9.8	11	5.6	4.7	16	6.5
30....	6.1	....	....	....	....	....	13	15	8.6	5.6	14	5.9
31....	6.1	....	....	....	....	....	....	13	....	5.3	14	....
Total	175.7	121.6	....	....	....	....	311.9	303.1	218.6	146.4	414.7	229.4
Mean.	5.67	7.60	....	....	....	....	10.4	9.78	7.29	4.72	13.4	7.65
Max..	7.0	9.3	....	....	....	....	19	15	20	13	30	12
Min..	4.8	6.8	....	....	....	....	3.8	6.9	3.8	2.6	4.4	4.4
Acre-ft.	348	241	....	....	....	....	619	601	434	290	823	455

Total run-off for period=3,810 acre-feet.

*Winter discharge measurement made on this day.

Discharge of La Garita Creek Near La Garita, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	5.6	4.7	....	....	....	....	4.7	24	102	13	4.2	3.8
2....	5.1	5.1	....	....	....	....	5.0	38	91	16	4.2	3.8
3....	5.6	5.1	....	....	....	....	4.9	32	90	17	3.5	3.6
4....	5.3	5.3	....	....	....	....	4.8	23	77	19	3.5	3.4
5....	5.1	4.7	....	....	....	....	4.9	39	66	27	4.2	3.1
6....	5.1	4.6	....	....	....	....	5.0	82	68	18	5.8	2.9
7....	5.1	4.5	....	....	....	....	5.2	107	78	13	6.0	2.7
8....	4.9	4.5	....	....	....	....	5.6	100	71	12	6.0	2.7
9....	4.9	4.7	....	....	....	....	5.9	113	73	12	6.5	2.7
10....	4.7	4.5	....	....	....	....	6.0	100	71	14	7.4	2.7
11....	5.3	4.9	....	....	....	....	6.0	79	66	20	5.8	2.7
12....	5.3	4.2	....	....	....	....	7.1	114	62	15	5.6	2.5
13....	5.3	3.8	....	....	....	....	6.8	135	57	14	5.3	2.5
14....	5.8	3.8	....	....	....	....	5.8	144	53	12	4.9	2.4
15....	5.1	3.8	....	....	....	....	5.8	170	48	11	4.5	2.4
16....	4.7	3.8	....	....	....	....	5.6	165	43	12	4.7	2.2
17....	4.7	4.2	....	....	....	....	5.3	124	39	9.4	4.5	2.0
18....	4.5	3.8	....	....	....	....	6.0	96	37	8.6	4.2	2.0
19....	5.1	3.6	....	....	....	....	7.1	102	33	13	4.9	2.0
20....	5.1	3.6	....	....	....	....	7.6	106	32	11	5.8	2.0
21....	4.7	3.4	....	....	....	....	7.4	106	31	10	6.8	2.0
22....	5.6	3.4	....	....	....	....	7.2	118	29	8.6	5.8	2.0
23....	5.3	3.4	....	....	....	....	7.0	127	25	8.6	5.6	2.5
24....	4.9	3.4	....	....	....	....	7.4	127	23	10	5.1	2.2
25....	5.1	3.4	....	....	....	....	7.4	110	22	11	6.5	4.9
26....	5.3	3.5	....	....	....	....	7.1	94	21	7.8	5.6	6.0
27....	4.9	3.4	....	....	....	....	12	85	18	7.8	5.1	5.3
28....	5.1	3.3	....	....	....	....	22	86	16	7.0	4.7	6.5
29....	5.3	3.2	....	....	....	....	23	98	14	6.3	4.5	5.8
30....	4.9	3.2	....	....	....	....	17	110	15	5.6	4.0	4.9
31....	4.9	....	....	....	....	....	....	103	....	4.9	4.0	....
Total	158.3	120.8	....	....	....	....	232.6	305.7	1471	374.6	159.2	96.2
Mean.	5.11	4.03	....	....	....	....	7.75	98.6	49.0	12.1	5.14	3.21
Max..	5.8	5.3	....	....	....	....	23	170	102	27	7.4	6.5
Min..	4.7	3.2	....	....	....	....	4.7	23	14	4.9	3.5	2.0
Acre-ft.	314	240	....	....	....	....	461	6060	2920	743	316	191

Total run-off for period=11,240 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Carnero Creek Near La Garita, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	2.9	5.6	....	....	....	....	16	8.9	5.0	4.4	5.9	20
2....	2.5	6.0	....	....	....	....	16	8.5	4.7	3.0	4.7	19
3....	2.4	5.6	....	....	....	....	18	8.1	8.1	2.4	5.6	18
4....	2.4	5.8	....	....	....	....	18	8.9	7.6	1.8	5.0	16
5....	2.4	5.4	....	....	....	....	13	10	5.9	1.5	6.2	12
6....	2.4	5.6	....	....	....	....	13	8.9	5.0	1.4	13	11
7....	2.4	5.8	....	....	....	....	9.7	11	4.1	1.5	9.7	10
8....	2.4	5.6	....	....	....	....	8.1	13	3.4	1.5	6.5	10
9....	2.8	6.2	*2.2	....	....	....	7.6	11	3.4	1.6	11	9.3
10....	2.8	5.9	....	....	....	....	9.3	8.9	3.4	1.2	19	9.7
11....	2.8	6.2	....	....	....	....	8.5	7.6	5.6	1.0	18	9.3
12....	3.2	6.5	....	....	....	....	9.3	6.2	5.0	1.2	84	7.6
13....	5.3	6.2	....	....	....	....	9.7	6.2	4.1	1.4	42	7.6
14....	5.3	7.6	....	....	....	....	12	5.9	3.0	0.9	32	10
15....	4.7	6.8	....	....	....	....	13	6.2	3.0	1.6	27	8.5
16....	4.7	6.2	....	....	....	....	12	6.2	2.6	2.8	31	6.8
17....	4.7	6.2	....	....	....	....	11	6.2	2.6	1.6	30	6.5
18....	4.6	6.0	....	....	....	....	12	5.6	2.6	1.2	47	6.8
19....	4.6	6.0	....	....	....	....	12	5.3	2.4	0.8	53	6.5
20....	4.2	6.0	....	....	....	....	13	5.0	2.6	0.9	51	5.3
21....	4.2	4.5	....	....	....	....	12	5.0	2.4	1.4	40	5.0
22....	4.0	4.0	....	....	....	....	12	4.7	2.0	1.2	41	4.4
23....	4.0	4.0	....	....	....	....	13	4.4	1.6	3.2	36	4.1
24....	3.8	4.0	....	....	....	....	12	4.4	1.4	2.6	31	4.1
25....	3.8	4.0	....	....	....	5.5	11	3.8	1.4	2.8	29	4.1
26....	3.8	4.0	....	....	....	4.7	9.7	3.8	1.2	3.2	29	4.1
27....	3.8	4.0	....	....	....	5.0	8.1	3.8	1.0	2.0	38	5.3
28....	5.0	4.0	....	....	....	8.1	7.6	3.8	1.4	1.6	25	7.2
29....	5.3	4.0	....	....	....	9.7	8.1	4.4	2.2	1.8	25	6.8
30....	5.0	4.0	....	....	....	14	8.1	5.3	5.0	2.4	25	7.2
31....	5.0	....	....	....	....	18	....	5.6	....	6.2	25	....
Total	117.2	161.7	....	....	....	65.0	342.8	206.6	103.7	61.7	\$45.6	262.2
Mean.	3.78	5.39	....	....	....	9.29	11.4	6.66	3.46	1.99	27.3	8.74
Max..	5.3	7.6	....	....	....	18	18	13	8.1	6.2	84	20
Min..	2.4	4.0	....	....	....	4.7	7.6	3.8	1.0	0.8	4.7	4.1
Acre-ft.	232	321	....	....	....	129	680	410	206	122	1680	520

Total run-off for period=4,300 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Carnero Creek Near La Garita, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	6.2	4.0	....	....	....	....	10	35	80	19	4.0	1.7
2....	5.6	4.0	....	....	....	....	11	46	77	19	3.8	1.7
3....	5.2	4.2	....	....	....	....	10	35	77	18	3.5	1.6
4....	4.8	4.4	....	....	....	....	11	27	70	21	3.0	1.6
5....	4.5	4.4	....	....	....	....	12	38	60	24	3.0	1.6
6....	4.5	4.2	....	....	....	....	13	92	59	22	4.8	1.4
7....	4.0	4.2	....	....	....	....	14	145	59	18	4.5	1.4
8....	4.2	4.2	....	....	....	....	15	138	55	17	4.2	1.2
9....	4.0	4.2	....	....	....	....	18	120	53	16	8.0	1.2
10....	4.2	4.8	....	....	....	....	18	106	52	16	8.0	1.0
11....	4.2	4.9	....	....	....	....	18	80	49	16	4.2	1.0
12....	4.8	4.8	....	....	....	....	20	110	48	15	3.2	1.1
13....	5.6	4.6	....	....	....	....	19	149	46	14	2.8	1.1
14....	5.9	4.2	....	....	....	....	20	163	43	13	2.0	1.4
15....	5.2	4.4	....	....	....	....	18	171	30	12	1.8	1.6
16....	4.5	4.8	....	....	....	....	15	203	36	12	1.8	1.8
17....	4.2	5.0	....	....	....	....	14	161	34	12	1.7	1.8
18....	4.0	5.0	....	....	....	....	18	114	31	13	4.0	1.8
19....	5.2	4.8	....	....	....	....	18	108	29	30	7.0	1.7
20....	5.2	4.6	....	....	....	....	14	110	26	11	5.2	1.6
21....	4.0	4.2	....	....	....	....	13	100	24	10	4.5	1.6
22....	4.5	4.0	....	....	....	....	11	104	23	7.3	4.0	1.6
23....	4.5	4.0	....	....	....	....	12	106	22	7.0	3.5	2.5
24....	4.2	4.0	....	....	....	....	20	108	22	9.6	3.8	2.8
25....	4.0	4.0	....	....	....	....	22	100	22	8.8	4.0	2.8
26....	4.2	4.0	....	....	....	....	22	93	22	7.3	3.5	3.2
27....	4.0	3.8	....	....	....	....	36	85	20	6.2	2.5	4.0
28....	4.5	3.8	....	....	....	....	47	80	20	5.6	2.2	3.8
29....	5.6	3.6	....	....	....	....	31	85	19	5.6	2.0	3.8
30....	4.8	3.6	....	....	....	....	28	95	20	5.6	1.7	3.2
31....	3.8	....	....	....	....	....	....	83	....	4.5	1.7	....
Total	144.1	128.7	....	....	....	....	548	3190	1228	415.5	113.9	58.6
Mean.	4.65	4.29	....	....	....	....	18.3	103	40.9	13.4	3.67	1.95
Max..	6.2	5.0	....	....	....	....	47	203	80	30	8.0	4.0
Min..	3.8	3.6	....	....	....	....	10	27	19	4.5	1.7	1.0
Acre-ft.	286	255	....	....	....	....	1090	6330	2440	824	226	116

Total run-off for period=11,570 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Saguache Creek Near Saguache, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	32	35	....	....	....	....	53	101	84	88	59	84
2....	32	37	....	....	....	....	57	101	93	68	55	74
3....	33	35	....	....	....	....	63	105	111	56	57	69
4....	32	36	....	....	....	....	74	122	88	49	59	65
5....	31	32	....	....	....	....	59	126	69	49	65	59
6....	31	34	....	....	....	....	70	121	82	45	62	54
7....	32	36	....	....	....	....	74	113	60	45	62	49
8....	31	34	....	....	....	....	66	103	62	52	63	45
9....	31	37	*20	....	....	....	50	92	62	52	62	45
10....	31	32	....	....	....	....	52	81	68	48	76	49
11....	32	27	....	....	....	....	41	76	97	44	92	47
12....	36	33	....	....	....	....	43	69	93	47	103	44
13....	41	33	....	....	....	....	46	66	88	44	77	42
14....	38	33	....	....	....	....	50	62	69	42	77	49
15....	41	38	....	....	....	....	52	60	52	68	84	45
16....	38	*45	....	....	....	....	57	66	50	66	90	42
17....	42	38	....	....	....	....	60	59	50	53	122	43
18....	41	32	....	....	....	....	55	56	50	47	148	42
19....	41	29	....	....	....	....	60	56	57	41	138	38
20....	39	27	....	....	....	....	69	56	57	39	109	38
21....	38	23	....	....	....	Mar. 23	68	65	62	39	103	36
22....	37	24	....	....	....	to 31	71	65	60	41	109	34
23....	37	24	....	....	....	32	90	63	52	52	105	34
24....	36	26	....	....	....	29	92	59	52	57	97	35
25....	36	24	....	....	....	32	88	69	56	57	92	35
26....	36	23	....	....	....	37	86	73	52	50	90	34
27....	34	20	....	....	....	48	79	76	57	39	97	36
28....	39	20	....	....	....	55	77	73	50	38	84	45
29....	36	21	....	....	....	68	84	101	66	41	77	43
30....	34	21	....	....	....	65	97	115	111	45	92	42
31....	28	....	....	....	....	65	....	93	....	59	115	....
Total	1096	909	....	....	....	431	1999	2523	2040	1561	2721	1397
Mean.	35.4	30.3	....	....	....	47.9	66.6	81.4	68.0	50.4	87.8	46.6
Max..	42	45	....	....	....	68	97	126	111	88	148	84
Min...	28	20	....	....	....	29	41	56	50	38	55	34
Acre-ft.	2170	1800	....	....	....	855	3960	5000	4050	3100	5400	2770

Total run-off for period=29,100 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Saguache Creek Near Saguache, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	40	30	20	21	30	38	48	74	396	194	74	19
2....	39	28	21	21	30	38	45	121	394	190	74	18
3....	40	32	22	21	30	38	48	97	394	188	69	17
4....	36	36	24	21	30	38	57	64	365	192	69	15
5....	34	45	34	21	30	38	74	62	308	204	69	15
6....	34	36	34	21	30	38	89	131	280	190	70	15
7....	34	32	29	21	30	38	91	227	289	175	74	14
8....	34	32	30	21	30	38	86	338	314	166	74	14
9....	34	35	26	21	30	38	96	351	312	166	74	14
10....	34	40	12	21	30	38	75	382	328	164	75	14
11....	33	38	12	21	30	38	60	271	351	171	66	14
12....	34	38	17	21	30	38	68	278	338	154	56	14
13....	36	37	20	21	30	38	80	414	312	145	51	14
14....	33	36	23	21	30	38	58	478	298	138	48	15
15....	36	35	22	21	30	38	40	451	296	136	48	17
16....	36	35	21	21	30	38	48	475	285	141	48	19
17....	32	37	19	21	30	38	38	421	258	131	46	19
18....	30	37	24	21	30	38	36	328	239	129	51	18
19....	33	40	28	21	30	38	51	287	235	122	52	23
20....	36	39	29	21	30	38	54	312	235	145	52	22
21....	28	34	30	21	30	38	48	331	235	132	52	23
22....	33	40	27	21	30	38	45	331	233	114	48	22
23....	42	46	26	21	30	38	36	365	219	107	44	24
24....	34	33	24	21	30	38	45	398	215	112	46	24
25....	34	32	17	21	30	38	57	408	217	116	58	23
26....	35	22	24	21	30	38	54	391	211	101	40	26
27....	35	17	*28	21	30	38	81	360	209	91	29	28
28....	43	18	27	21	30	38	147	317	200	85	26	28
29....	63	19	26	21	30	38	114	310	198	81	23	30
30....	54	20	27	21	....	38	80	374	196	81	21	28
31....	38	....	25	21	....	38	....	411	....	77	20	....
Total	1137	999	749	651	870	1178	1949	9558	8360	4338	1647	586
Mean.	36.7	33.3	24.2	21	30	38	65.0	308	279	140	53.1	19.5
Max..	63	46	34	....	....	....	147	478	396	204	75	30
Min...	28	17	12	....	....	....	36	62	196	77	20	14
Acre-ft.	2260	1980	1490	1290	1730	2340	3870	18960	16580	8600	3270	1160

Total run-off for period=63,530 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of Kerber Creek at Ashley Ranch Near Villa Grove, Colo., for Year Ending
Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	3.0	4.7	....	....	....	....	4.5	80	37	18	4.5	5.6
2....	3.0	4.7	....	....	....	....	4.8	80	41	15	4.9	5.4
3....	3.0	4.7	....	....	....	....	5.2	77	36	13	4.7	5.2
4....	3.0	4.9	....	....	....	....	5.3	76	28	11	4.7	4.5
5....	3.1	4.1	....	....	....	....	5.4	58	24	10	4.7	4.3
6....	2.8	6.2	....	....	....	....	5.2	46	21	9.2	4.5	3.8
7....	3.1	4.5	....	....	....	....	4.8	38	22	13	4.3	3.6
8....	3.1	5.2	....	....	....	....	4.5	31	24	10	4.5	3.2
9....	3.0	4.0	*1.3	....	....	....	4.5	25	25	9.2	4.5	3.1
10....	3.0	3.5	....	....	....	....	4.1	24	31	8.2	5.2	3.2
11....	3.2	2.5	....	....	....	....	4.9	25	33	7.5	5.6	3.0
12....	3.4	2.0	....	....	....	....	4.7	27	26	7.2	5.6	3.0
13....	4.7	1.9	....	....	....	....	5.2	26	24	6.2	4.7	2.8
14....	4.5	1.8	....	....	....	....	6.6	26	21	6.9	6.2	3.0
15....	4.9	2.4	....	....	....	....	9.2	27	19	5.6	5.2	2.8
16....	4.7	2.2	....	....	....	....	10	24	19	6.6	5.4	2.8
17....	4.3	*2.0	....	....	....	....	13	20	19	5.6	5.9	3.2
18....	3.8	2.0	....	....	....	....	14	20	19	5.2	8.2	3.8
19....	3.6	2.0	....	....	....	....	20	17	17	4.9	6.2	3.6
20....	3.6	2.0	....	....	....	....	26	19	18	4.9	6.2	3.2
21....	3.8	1.6	....	....	....	....	29	19	18	4.9	6.2	3.2
22....	3.8	1.7	....	....	....	....	32	19	18	6.2	8.5	3.1
23....	3.8	1.7	....	....	....	....	41	19	17	6.2	7.2	3.0
24....	3.6	1.6	....	....	....	....	48	21	16	5.6	7.2	3.1
25....	3.8	1.5	....	....	....	*5.5	47	24	16	5.2	6.9	3.1
26....	4.3	1.4	....	....	....	....	48	28	17	4.5	7.8	3.0
27....	3.8	1.3	....	....	....	....	47	31	17	4.5	6.9	3.1
28....	4.9	1.3	....	....	....	....	48	38	16	4.5	6.6	3.2
29....	4.7	1.3	....	....	....	....	58	43	20	4.7	6.6	3.6
30....	3.0	1.3	....	....	....	....	76	39	24	4.9	7.5	3.6
31....	3.4	....	....	....	....	....	....	36	....	4.7	7.5	....
Total	113.7	82.0	....	....	....	....	635.9	1083	683	233.1	184.6	105.1
Mean.	3.67	2.73	....	....	....	....	21.2	34.9	22.8	7.52	5.95	3.50
Max..	4.9	6.2	....	....	....	....	76	80	41	18	8.5	5.6
Min..	2.8	1.3	....	....	....	....	4.1	17	16	4.5	4.3	2.8
Acre-ft.	226	163	....	....	....	....	1260	2150	1350	462	366	208

Total run-off for period=6,180 acre-feet.

*Winter discharge measurement made on this day.

**Discharge of Kerber Creek at Ashley Ranch Near Villa Grove, Colo., for Year Ending
Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	3.6	....	....	....	....	....	11	14	72	32	8.3	2.8
2....	3.6	....	....	....	....	....	11	22	78	29	7.2	2.6
3....	3.4	....	....	....	....	....	11	19	79	28	8.3	2.6
4....	3.4	....	....	....	....	....	11	16	74	30	8.3	2.5
5....	3.4	....	....	....	....	....	11	20	70	27	8.0	2.6
6....	3.4	....	....	....	....	....	11	25	67	27	7.8	2.8
7....	3.2	....	....	....	....	....	11	32	65	23	6.7	2.4
8....	3.4	....	....	....	....	....	11	*41	64	23	6.4	1.8
9....	3.4	....	....	....	....	....	11	35	66	22	5.9	1.8
10....	3.6	....	....	....	....	....	11	27	72	20	5.6	1.9
11....	3.6	....	....	....	....	....	11	33	80	19	5.6	2.5
12....	3.6	....	....	....	....	....	11	56	78	18	5.2	2.4
13....	3.0	....	....	....	....	....	11	80	76	16	4.7	2.6
14....	3.4	....	....	....	....	....	11	92	74	16	4.5	2.8
15....	3.4	....	....	....	....	....	11	95	74	16	4.3	2.8
16....	3.4	....	....	....	....	....	11	104	70	15	3.8	2.8
17....	3.4	....	....	....	....	....	11	92	66	14	4.3	2.8
18....	3.6	....	....	....	....	....	11	76	60	13	4.9	2.5
19....	3.8	*9.9	....	....	....	....	11	73	59	16	5.6	2.4
20....	4.5	....	....	....	....	....	11	80	59	14	4.9	1.7
21....	4.2	....	....	....	....	....	11	76	61	14	4.3	1.7
22....	3.8	....	....	....	....	....	11	76	58	12	3.6	1.5
23....	3.7	....	....	....	....	....	11	83	55	12	3.6	1.4
24....	3.5	....	....	....	....	....	*11	79	53	13	3.8	2.2
25....	3.4	....	....	....	....	....	11	72	51	13	3.8	2.8
26....	3.4	....	....	....	....	....	11	62	47	11	4.1	2.6
27....	3.4	....	....	....	....	....	11	52	43	10	4.3	2.0
28....	3.7	....	....	....	....	....	11	52	38	9.0	3.8	2.0
29....	5.0	....	....	....	....	....	11	57	36	9.0	2.8	1.9
30....	5.4	....	....	....	....	....	11	61	33	9.8	2.6	1.3
31....	5.1	....	....	....	....	....	....	67	....	7.5	2.8	....
Total	114.7	222	....	....	....	....	330	1769	1878	538.3	159.8	68.5
Mean.	3.70	7.40	....	....	....	....	11.0	57.1	62.6	17.4	5.15	2.28
Max..	5.4	....	....	....	....	....	....	104	80	32	8.3	2.8
Min..	3.0	....	....	....	....	....	....	14	33	7.5	2.6	1.3
Acre-ft.	228	440	....	....	....	....	655	3510	3720	1070	317	136

Total run-off for period=10,080 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of North Crestone Creek Near Crestone, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	6.8	5.5	....	....	....	....	7.6	38	38	41	6.6	5.6
2....	6.3	5.6	....	....	....	....	9.2	37	38	32	6.3	5.0
3....	6.3	5.6	....	....	....	....	12	41	24	25	6.3	4.8
4....	6.3	5.8	....	....	....	....	12	39	18	21	6.3	4.6
5....	6.0	5.3	....	....	....	....	12	29	17	18	6.3	4.2
6....	5.8	5.6	....	....	....	....	12	24	19	16	6.3	4.2
7....	5.5	5.6	....	....	....	....	11	21	21	16	5.6	3.8
8....	5.3	5.6	....	....	....	....	9.7	18	25	15	5.3	3.8
9....	5.3	5.3	....	....	....	....	9.2	17	25	14	5.0	4.0
10....	5.3	4.6	....	....	....	....	7.8	18	24	13	5.3	3.8
11....	5.3	4.6	....	....	....	....	7.0	21	25	12	5.3	3.5
12....	5.3	5.3	....	....	....	....	7.3	21	25	11	5.0	3.3
13....	5.8	5.3	....	....	....	....	7.6	19	21	11	5.0	3.5
14....	5.6	5.0	....	....	....	....	8.6	18	18	11	6.0	3.8
15....	5.8	4.8	....	....	....	....	10	16	17	11	7.8	3.5
16....	5.8	4.4	....	....	....	....	11	14	16	10	14	4.0
17....	5.3	4.4	....	....	....	....	11	14	17	9.5	11	3.1
18....	5.8	4.4	....	....	....	....	11	13	19	9.2	12	3.3
19....	5.8	4.2	....	....	....	....	12	13	19	8.9	11	3.1
20....	5.6	4.2	....	....	....	....	14	13	20	8.4	9.7	2.7
21....	5.3	4.1	....	....	....	....	14	14	20	9.5	9.2	2.6
22....	5.3	4.1	....	....	....	....	15	14	20	11	8.4	2.4
23....	5.3	4.1	....	....	....	Mar. 25	20	15	19	9.7	7.8	2.7
24....	5.5	4.1	....	....	....	to 31	25	22	18	9.2	7.3	3.1
25....	5.8	4.1	....	....	....	3.8	24	23	18	8.9	6.8	2.7
26....	6.0	4.0	....	....	....	3.8	22	28	16	8.1	6.8	3.5
27....	6.0	4.0	....	....	....	4.2	21	29	15	8.1	6.8	5.0
28....	6.0	4.0	....	....	....	5.8	22	40	15	7.8	6.6	4.0
29....	6.0	4.0	....	....	....	9.5	28	44	15	7.3	6.3	4.4
30....	5.8	4.0	....	....	....	8.9	35	40	68	7.0	6.3	4.4
31....	5.6	....	....	....	....	7.6	....	34	....	6.6	6.6	....
Total	177.6	141.6	....	....	....	43.6	428.0	752	670	406.2	225.0	112.4
Mean.	5.73	4.72	....	....	....	6.23	14.3	24.3	22.3	13.1	7.26	3.75
Max..	6.8	5.8	....	....	....	9.5	35	44	68	41	14	5.6
Min..	5.3	4.0	....	....	....	3.8	7.0	13	15	6.6	5.0	2.4
Acre-ft.	352	281	....	....	....	86	849	1490	1330	806	446	223

Total run-off for period=58,630 acre-feet.

Discharge of North Crestone Creek Near Crestone, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	5.3	....	....	....	....	....	1.8	3.5	77	35	12	3.1
2....	4.6	....	....	....	....	....	1.9	3.8	64	39	9.5	2.9
3....	4.4	....	....	....	....	....	1.9	3.3	49	38	9.2	2.6
4....	4.2	....	....	....	....	....	1.9	3.3	38	37	8.4	2.4
5....	4.0	....	....	....	....	....	2.0	4.2	32	59	8.4	2.4
6....	4.2	....	....	....	....	....	2.0	7.8	36	57	8.1	2.4
7....	3.5	....	....	....	....	....	2.1	11	45	45	7.6	2.4
8....	3.3	....	....	....	....	....	2.2	11	44	39	6.8	2.3
9....	3.3	....	....	....	....	....	2.2	14	60	34	6.8	2.1
10....	3.3	....	....	....	....	....	2.4	14	78	30	6.6	2.0
11....	3.3	....	....	....	....	....	2.6	15	105	29	6.3	2.1
12....	3.8	....	....	....	....	....	2.9	29	98	25	6.0	2.0
13....	3.5	....	....	....	....	....	2.7	44	89	23	5.6	1.9
14....	3.8	....	....	....	....	....	2.3	54	83	21	5.0	1.7
15....	3.5	....	....	....	....	....	2.2	66	80	19	4.8	1.9
16....	3.5	....	....	....	....	....	2.1	68	78	18	4.8	1.9
17....	3.3	....	....	....	....	....	2.1	58	76	17	4.6	1.9
18....	3.1	....	....	....	....	....	2.1	36	72	16	4.6	1.9
19....	3.3	*2.3	....	....	....	....	2.1	32	68	17	5.0	1.3
20....	4.5	....	....	....	....	....	2.1	45	62	18	6.0	1.2
21....	4.2	....	....	....	....	....	2.1	54	58	35	5.8	1.0
22....	3.8	....	....	....	....	....	2.3	58	57	25	4.6	1.2
23....	3.7	....	....	....	....	....	2.4	71	58	19	4.4	1.9
24....	3.5	....	....	....	....	....	2.6	84	60	20	5.8	1.9
25....	3.3	....	....	....	....	....	2.6	77	58	21	5.8	2.1
26....	3.3	....	....	....	....	....	2.7	60	59	20	5.0	5.0
27....	3.3	....	....	....	....	....	3.8	46	48	18	4.8	2.9
28....	3.7	....	....	....	....	....	4.0	40	44	16	4.6	2.4
29....	5.8	....	....	....	....	....	3.8	50	40	15	4.0	2.3
30....	5.0	....	....	....	....	....	3.3	77	37	12	4.0	2.0
31....	4.5	....	....	....	....	....	....	82	....	12	3.8	....
Total	119.8	78.0	....	....	....	....	73.2	1221.9	1853	830	188.7	65.1
Mean.	3.86	2.6	....	....	....	....	2.44	39.4	61.8	26.8	6.09	2.17
Max..	5.8	....	....	....	....	....	4.0	84	105	59	12	5.0
Min..	3.1	....	....	....	....	....	1.8	3.3	32	12	3.8	1.0
Acre-ft.	238	155	....	....	....	....	145	2420	3680	1650	374	129

Total run-off for period=8,790 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

COLORADO RIVER BASIN

COLORADO RIVER NEAR GRAND LAKE, COLORADO

Location—Water stage recorder in Sec. 13, T. 3 N., R. 76 W., $\frac{1}{2}$ mile upstream from Grand Lake outlet, and 3 miles south of town of Grand Lake.

Drainage Area—101 square miles.

Records Available—August, 1904 to September, 1909; October 1910 to September 30, 1918; May 11, 1934 to September 30, 1944.

Maximum discharge during period 1904-1909, 1910-1918, 1934-1944; 1,840 second feet June 15-16, 1918, site and datum then in use. Gage height 7.0 feet.

Maximum Discharge—Year 1943; 553 second feet, June 2. Gage height 4.68 feet.

Maximum Discharge—Year 1944; 403 second feet, June 11. Gage height 4.42 feet.

Accuracy—Records considered fair except those for periods of ice effect, November 5, 1942 to April 18, 1943, and November 3, 1943 to April 24, 1944, and during periods of missing gage heights, August 22-27, September 27-30, 1944, which were computed on basis of discharge measurements, weather records and comparison with record for station at Granby.

Diversions for irrigation above station. Grand River trans-mountain diversion from headwaters into Cache la Poudre River basin, through Poudre Pass.

Diversion by Grand River Ditch

Year 1943		Year 1944	
Month	Acre Feet	Month	Acre Feet
May	1,020	May	252
June	8,940	June	9,480
July	6,040	July	6,000
August	1,470	August	906
September	63	September	16
Total	17,533	Total	16,654

COLORADO RIVER NEAR GRANBY, COLORADO

Location—Water stage recorder in Sec. 22, T. 2 N., R. 76 W., 4 miles northeast of Granby, and $1\frac{1}{2}$ miles upstream from Willow Creek.

Drainage Area—322 square miles.

Records Available—June, 1908 to September, 1911; May 12, 1934 to September 30, 1944.

Maximum discharge during period 1908-1911, 1934-1944; 4,100 second feet June 20, 1909. Gage height 5.5 feet, datum then in use.

Maximum Discharge—Year 1943; 1,870 second feet June 23. Gage height 3.64 feet.

Maximum Discharge—Year 1944; 1,950 second feet June 11. Gage height 3.68 feet.

Accuracy—Records considered good except those for periods of ice effect, November 3, 1942 to March 30, 1943, November 4, 8-15, November 27, 1943 to April 19, 1944, which were computed on basis of discharge measurements, weather records, and are good.

Diversions for irrigation above station. Transmountain diversions above station by Grand River Ditch, see under preceding Station.

COLORADO RIVER AT HOT SULPHUR SPRINGS, COLORADO

Location—Water stage recorder in Sec. 1, T. 1 N., R. 78 W., 1 mile east of Hot Sulphur Springs at Thompson's Ranch, and 3 miles upstream from Beaver Creek.

Drainage Area—782 square miles. Altitude 7,680 feet above mean sea level.

Records Available—July, 1904 to September, 1909; September, 1910 to September, 1924; October, 1925 to September 30, 1944.

Maximum discharge during period 1904-1909, 1910-1924, 1925-1944; 10,300 second feet, June 15, 1921. Gage height 8.70 feet, site and datum then in use.

Maximum Discharge—Year 1943; 3,520 second feet, June 2. Gage height 3.73 feet.

Maximum Discharge—Year 1944; 3,620 second feet, June 11. Gage height 3.68 feet.

Accuracy—Records considered excellent except those for periods of ice effect, November 23-24, 27, 1942 to April 11, 1943. November 3-12, 27, 1943 to April 9, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Diversions for irrigation above station. Transmountain diversion through Moffat Tunnel and by Grand River ditch, above station. These diversions tabulated in descriptions for Colorado River near Grand Lake and South Boulder Creek near Eldorado Springs.

COLORADO RIVER NEAR DOTSERO, COLORADO

Location—Water stage recorder in Sec. 6, T. 5 S., R. 86 W., 1½ miles west of Dotsero, and 1½ miles downstream from Eagle River.

Drainage Area—4,390 square miles.

Records Available—December, 1940 to September 30, 1944.

Maximum discharge during period 1940-1944; 15,400 second feet, June 7, 1942. Gage height 10.02 feet.

Maximum Discharge—Year 1943; 12,200 second feet, June 2. Gage height 8.19 feet.

Maximum Discharge—Year 1944; 10,000 second feet, June 2. Gage height 8.96 feet.

Accuracy—Records considered good, except those for periods of ice effect, December 11, 1942 to January 2, 1943, January 20-21, February 1-11, 1943, November 28, 1943 to February 13, 1944; which were computed on basis of record for station at Glenwood Springs, and weather records, and are fair.

Diversions for irrigation, storage, and transmountain diversions above station.

COLORADO RIVER AT GLENWOOD SPRINGS, COLORADO

Location—Water stage recorder in Sec. 9, T. 6 S., R. 89 W., at Glenwood Springs, Colorado, $\frac{1}{2}$ mile upstream from Roaring Fork.

Drainage Area—4,560 square miles. Zero of gage is 5,720.71 feet above mean sea level, adjustment of 1912.

Records Available—May 12, 1899 to September 30, 1944.

Maximum discharge during period 1899-1944; 30,100 second feet, June 14-15, 1918. Gage height 12.55 feet.

Maximum Discharge—Year 1943; 13,000 second feet, June 2. Gage height 8.46 feet.

Maximum Discharge—Year 1944; 10,600 second feet, June 2. Gage height 7.88 feet.

Accuracy—Records considered excellent except those for periods of missing gage heights, October 28-November 6, 1943, June 8-11, 1944, which were computed on basis of record for station near Dotsero, and weather records, and are fair.

Diversions for irrigation, storage, and transmountain diversions above station. During low water period, flow is regulated by Shoshone power plant 6 miles upstream.

COLORADO RIVER NEAR CAMEO, COLORADO

Location—Water stage recorder in Sec. 6, T. 10 S., R. 97 W., 6.7 miles northeast of Cameo and 3.4 miles upstream from mouth of Plateau Creek.

Drainage Area—8,055 square miles.

Records Available—October, 1933 to September 30, 1944.

Maximum discharge during period 1933-1944; 36,000 second feet, June 16, 1935. Gage height 10.91 feet.

Maximum Discharge—Year 1943; 22,650 second feet, June 3. Gage height 8.97 feet.

Maximum Discharge—Year 1944; 19,000 second feet May 31. Gage height 8.23 feet.

Accuracy—Records considered excellent except those for periods of ice effect, January 7, 1943 to February 9, 1943, October 1-18, 1943, January 2 to March 1, 1944, which were computed on basis of summation of records for Colorado River and Roaring Fork at Glenwood Springs, and are good.

Diversions for irrigation, storage, and transmountain diversions above station.

COLORADO RIVER NEAR CISCO, UTAH

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 17, T. 23 S., R. 24 E., 1 mile downstream from Dolores River and 11 miles south of Cisco.

Drainage Area—24,100 square miles. Altitude 4,088 feet above mean sea level.

Records Available—November, 1914 to September, 1917, October, 1922 to September 30, 1944.

Maximum discharge during period 1914-1917, 1922-1944; 76,800 second feet, June 19, 1917. Gage height 19.7 feet. Maximum discharge known, about 125,000 second feet, July 4, 1884, from flood record at Fruita.

Maximum Discharge—Year 1943; 36,640 second feet, June 3. Gage height 12.20 feet.

Maximum Discharge—Year 1944; 53,600 second feet, May 17. Gage height 16.25 feet.

Accuracy—Records considered excellent except those for periods of no gage height record, which are fair.

Diversions for irrigation above station.

ARAPAHOE CREEK BELOW MONARCH LAKE, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ Sec. 15, T. 2 N., R. 75 W., 700 feet downstream from mouth of Roaring Fork, 2 $\frac{1}{2}$ miles downstream from outlet of Monarch Lake, and 10 miles east of Granby.

Drainage Area—59 square miles. Zero of gage is 8,244.30 feet above mean sea level, datum of 1929.

Records Available—June, 1935 to September 30, 1944.

Maximum discharge during period 1935-1944; 1,380 second feet, June 22, 1938, from rating curve extended above 900 second feet. Gage height 4.31 feet.

Maximum Discharge—Year 1943; 677 second feet, June 22. Gage height 2.82 feet.

Maximum Discharge—Year 1944; 769 second feet, June 22. Gage height 3.02 feet.

Accuracy—Records considered excellent except those for periods of ice effect, November 5, 1942 to April 20, 1943 and November 26-30, 1943 and February 4-9, April 9-16, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Small diversions for irrigation above station. Flow partly regulated by Monarch Lake. Several second feet diverted around station by power canal during summer months.

WILLOW CREEK NEAR GRANBY, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 34, T. 3 N., R. 77 W., at highway bridge 7 miles northwest of Granby, and 100 feet downstream from Gold Run Creek.

Drainage Area—105 square miles. Zero of gage is 8,240.99 feet above mean sea level, datum of 1929.

Records Available—April, 1935 to September 30, 1944.

Maximum discharge during period 1935-1944; 811 second feet May 16, 1938, from rating curve extended above 530 second feet. Gage height 4.49 feet.

Maximum Discharge—Year 1943; 506 second feet June 2. Gage height 3.50 feet.

Maximum Discharge—Year 1944; 342 second feet May 31. Gage height 2.93 feet.

Accuracy—Records considered good except those for periods of ice effect, November 6, 1942 to April 4, 1943, November 2-5, 7-10, 1943, November 12, 1943 to April 17, 1944, and those for period of missing gage heights, August 11-17, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Diversions for irrigation of hay meadows above station.

FRASER RIVER NEAR WINTER PARK (WEST PORTAL) (ARROW), COLORADO

Location—Water stage recorder in NE $\frac{1}{4}$ Sec. 4, T. 2 S., R. 75 W., $1\frac{1}{2}$ miles northwest of Winter Park and $2\frac{1}{2}$ miles downstream from point of diversion for Moffat Tunnel.

Drainage Area—27.6 square miles.

Records Available—September 23, 1910 to September 30, 1944.

Maximum discharge during period 1910-1944; 820 second feet June 13, 1918. Gage height 2.9 feet.

Maximum Discharge—Year 1943; 157 second feet July 6. Gage height 1.48 feet.

Maximum Discharge—Year 1944; 229 second feet June 15. Gage height 1.79 feet.

Accuracy—Records considered good except those for periods of ice effect November 21, 1942 to March 31, 1943, November 2-4, 6-17, 21, 26-30, December 5-9, 11-13, 16-18, 25-30, 1943, January 28-31, February 3-5, 11-14, 16-17, 19-21, 23-24, 29, March 6-14, 19, 22, 25-29, April 2-4, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Transmountain diversions above station. Pioneer bore of the Moffat Tunnel has diverted water above this station since June 9, 1936. The combined flow of this diversion and Fraser River is comparable with records prior to June 9, 1936. The Berthoud Pass Ditch diverts small amount from head waters into Clear Creek.

Diversions through Moffat Tunnel from Fraser River above Winter Park Station

Water Year 1942-43		Water Year 1943-44	
Date	Acre Feet	Date	Acre Feet
Oct., 1942	517	Oct., 1943	579
Apr., 1943	329	Nov., 1943	14
May, 1943	3,040	May, 1944	18
June, 1943	9,040	June, 1944	3,590
July, 1943	3,260	July, 1944	3,440
Aug., 1943	1,550	Aug., 1944	1,030
Sept., 1943	766	Sept., 1944	497
Total	18,502	Total	9,168

FRASER RIVER AT GRANBY, COLORADO

Location—Water stage recorder in Sec. 1, T. 1 N., R. 76½ W., just downstream from Ten Mile Creek, ½ mile southwest of Granby, and 2½ miles upstream from mouth.

Drainage Area—285 square miles.

Records Available—August, 1904 to September, 1909, September 15, 1937 to September 30, 1944.

Maximum discharge during period 1904-1909, 1937-1944; 1,860 second feet, June 14, 15, 1906.

Maximum Discharge—Year 1943; 1,220 second feet, June 2. Gage height 2.45 feet.

Maximum Discharge—Year 1944; 1,270 second feet, June 10. Gage height 2.65 feet.

Accuracy—Records considered excellent except those for periods of ice effect, November 6, 1942 to April 18, 1943, November 15-18, November 26 to May 21, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Transmountain diversions above station, as well as diversions for irrigation.

VASQUEZ CREEK NEAR WINTER PARK, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 33, T. 1 S., R. 75 W., $\frac{1}{4}$ mile upstream from mouth, $\frac{1}{2}$ mile downstream from Moffat Tunnel Diversion, and 2 $\frac{1}{2}$ miles northwest of Winter Park. Present gage is $\frac{3}{4}$ mile downstream from site used in 1907 to 1909.

Drainage Area—27.8 square miles. Zero of gage is 8,768.48 feet above mean sea level, unadjusted.

Records Available—June, 1907 to October, 1909, August, 1934 to September 30, 1944.

Maximum discharge during period 1934-1944; 396 second feet, June 15, 1935. Gage height 2.64 feet.

Maximum Discharge—Year 1943; 234 second feet, June 23. Gage height 2.19 feet.

Maximum Discharge—Year 1944; 152 second feet, June 16. Gage height 1.97 feet.

Accuracy—Records considered good except those for periods of ice effect, November 4, 1942 to April 16, 1943 and from November 1, 1943 to December 13, 1943, which were computed on basis of discharge measurements and weather records, and are fair.

The Pioneer bore of Moffat Tunnel started diverting water above this station May 26, 1937. Records of combined flow of this diversion and of Vasquez Creek are equivalent to records of flow of creek prior to May 26, 1937. See correction table published with run-off data for this station.

Diversions through Moffat Tunnel from Vasquez Creek above Station near Winter Park			
Date	Acre Feet	Date	Acre Feet
Oct., 1942	360	Oct., 1943	635
Apr., 1943	152	Nov., 1943	14
May, 1943	2,920	Apr., 1944	0
June, 1943	3,530	May, 1944	0
July, 1943	3,720	June, 1944	1,170
Aug., 1943	2,140	July, 1944	3,590
Sept., 1943	958	Aug., 1944	1,180
		Sept., 1944	631
Total	13,790	Total	7,220

ST. LOUIS CREEK NEAR FRASER, COLORADO

Location—Water stage recorder in Sec. 34, T. 1 S., R. 76 W., $\frac{1}{3}$ mile downstream from junction of East and West Branches, and 4 $\frac{1}{2}$ miles southwest of Fraser. During 1907 and 1909, site maintained 2 miles upstream. Records not comparable.

Drainage Area—32.8 square miles.

Records Available—June, 1907 to September, 1909, August, 1934 to September 30, 1944.

Maximum discharge during period 1934-1944; 353 second feet June 15, 1935, from rating curve extended above 220 second feet. Gage height 2.58 feet.

Maximum Discharge—Year 1943; 285 second feet June 22, from rating curve extended above 220 second feet. Gage height 2.32 feet.

Maximum Discharge—Year 1944; 271 second feet June 21. Gage height 2.29 feet.

Accuracy—Records considered good except those for period of ice effect, November 4, 1942 to April 1, 1943, October 1-7, 24, November 2-4, 6-10, 12, 21, 26-30, December 1, 1943, February 10, 1944 to April 19, 1944, and period of missing gage heights, September 15-30, 1943, which were computed on basis of discharge measurements and weather records, and are fair.

No diversions or regulation above station.

RANCH CREEK NEAR FRASER, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 22, T. 1 S., R. 75 W., 150 yards downstream from South Fork and 3 miles east of Fraser at Arkall Ranch.

Drainage Area—19.9 square miles.

Records Available—August, 1934 to September 30, 1944.

Maximum discharge during period 1934-1944; 299 second feet June 15, 1935. Gage height 3.37 feet.

Maximum Discharge—Year 1943; 170 second feet June 9. Gage height 2.60 feet.

Maximum Discharge—Year 1944; 176 second feet June 9. Gage height 2.68 feet.

Accuracy—Records considered excellent except those for periods of ice effect, November 3, 1942 to March 31, 1943 and November 1-4, 7-8, November 29, 1943 to December 8, 1943, which were computed on basis of discharge measurements and weather records and are fair.

No diversions above station.

RANCH CREEK NEAR TABERNASH, COLORADO

Location—Water stage recorder in Sec. 6, T. 1 S., R. 75 W., $\frac{1}{4}$ mile upstream from Meadow Creek and $1\frac{1}{2}$ miles east of Tabernash.

Drainage Area—50.7 square miles. Zero of gage is 8,338.01 feet above mean sea level, unadjusted.

Records Available—September, 1934 to September 30, 1944.

Maximum discharge during period 1934-1944; 506 second feet, June 15, 1935, from rating curve extended above 250 second feet. Gage height 4.40 feet.

Maximum Discharge—Year 1943; 312 second feet, May 30. Gage height 3.64 feet.

Maximum Discharge—Year 1944; 248 second feet, June 20. Gage height 3.39 feet.

Accuracy—Records considered excellent except those for periods of ice effect, November 5-8, 10, 1942 to April 16, 1943, November 2-4, 6, 1943 to April 19, 1944, April 26-30, 1944, which were computed on basis of discharge measurements and weather records, as were those during period of missing gage heights, May 28 to June 16, September 6-26, 1944, and are fair.

Diversions for irrigation above station.

MEADOW CREEK NEAR TABERNASH, COLORADO

Location—Water stage recorder in Sec. 15, T. 1 N., R. 75 W., 5 miles northeast of Tabernash.

Drainage Area—7.0 square miles.

Records Available—May 27, 1936 to September 30, 1944.

Maximum discharge during period 1936-1944; 244 second feet, June 9, 1944, from rating curve extended above 85 second feet. Gage height 3.72 feet.

Maximum Discharge—Year 1943; 150 second feet May 30, from rating curve extended above 85 second feet. Gage height 3.22 feet.

Maximum Discharge—Year 1944; 244 second feet, June 9, from rating curve extended above 85 second feet. Gage height 3.72 feet.

Accuracy—Records considered good except those for periods of ice effect, November 5-8, 1942, November 2-12, 1943 and those for periods of missing gage heights, May 1-23, 1943, April 1, 1944 to June 2, 1944, which were computed on basis of discharge measurements, weather records and comparison with records of adjacent stations, and are fair.

No diversions above station.

STRAWBERRY CREEK NEAR GRANBY, COLORADO

Location—Water stage recorder in SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 32, T. 2 N., R. 75 W., 0.6 mile downstream from Little Strawberry Creek and 6 miles east of Granby.

Drainage Area—12.6 square miles.

Records Available—May 28, 1936 to September 30, 1944.

Maximum discharge during period 1936-1944; 132 second feet May 29, 1938, from rating curve extended above 110 second feet. Gage height 2.91 feet.

Maximum Discharge—Year 1943; 77 second feet, May 2. Gage height 1.74 feet.

Maximum Discharge—Year 1944; 73 second feet, May 30. Gage height 1.94 feet.

Accuracy—Records considered good except those for period of back water effect caused by beaver dam, August 17 to October 26, 1943 and period of no gage heights, October 27 to November 30, 1943 and May 1-21, 1944, which are fair.

Two diversions for irrigation above station.

WILLIAMS FORK RIVER NEAR LEAL, COLORADO

Location—Water stage recorder in Sec. 31, T. 2 S., R. 77 W., just downstream from mouth of Kinney Creek and 2 miles north of Leal.

Drainage Area—84 square miles.

Records Available—June 19, 1933 to September 30, 1944.

Maximum discharge during period 1933-1944; 1,530 second feet June 21, 1938, from rating curve extended above 1,000 second feet. Gage height 3.81 feet.

Maximum Discharge—Year 1943; 998 second feet, June 22. Gage height 3.15 feet.

Maximum Discharge—Year 1944; 1,040 second feet, June 21. Gage height 3.35 feet.

Accuracy—Records considered excellent except those for periods of ice effect, January 5-7, 18, 19, 26-27, 1943, December 27, 1943, January 4, 5, 7, 8, February 16, 1944, which were computed on basis of weather records and are fair.

Diversions for irrigation and transmountain diversion above station to South Platte River basin through Williams Fork Tunnel.

Diversions through Williams Fork Tunnel from Williams Fork above Station near Leal

1943		1944	
Month	Acre Feet	Month	Acre Feet
July	2,360	July	2,850
August	1,270	August	859
September	430	September	152
Total	4,060	Total	3,861

WILLIAMS FORK RIVER NEAR PARSHALL, COLORADO

Location—Water stage recorder in SE corner Sec. 36, T. 1 N., R. 79 W., 2½ miles upstream from Battle Creek and 6 miles upstream from mouth of Williams Fork.

Drainage Area—184 square miles. Zero of gage is 7,805.00 feet above mean sea level, unadjusted.

Records Available—July, 1904 to September, 1924, June, 1933 to September 30, 1944.

Maximum discharge during period 1904-1924, 1933-1944; 2,570 second feet June 14, 1918, from rating curve extended above 1,400 second feet. Gage height 6.0 feet, site and datum then in use.

Maximum Discharge—Year 1943; 815 second feet June 23. Gage height 3.24 feet.

Maximum Discharge—Year 1944; 922 second feet June 22. Gage height 3.15 feet.

Accuracy—Records considered good except those for periods of ice effect, November 11, 1942 to March 31, 1943, and November 27-30, December 12, 1943 to April 9, 1944, which were computed on basis of weather records and discharge measurements, and are fair.

Diversions for irrigation and transmountain diversion above station.

KEYSER CREEK NEAR LEAL, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ Sec. 33, T. 1 S., R. 77 W., 200 feet upstream from Simpson Creek and 7 miles northeast of Leal.

Drainage Area—13.7 square miles.

Records Available—August, 1942 to September 30, 1944.

Maximum discharge during period 1942-1944; that of June 26, 1943.

Maximum Discharge—Year 1943; 139 second feet, June 26, from rating curve extended above 82 second feet. Gage height 2.71 feet.

Maximum Discharge—Year 1944; 128 second feet June 9, from rating curve extended above 90 second feet. Gage height 2.83 feet.

Accuracy—Records considered good. During periods of ice effect, October 24-31, 1942 and October 20, 1943 to May 25, 1944, and period of missing gage heights, July 24 to September 30, 1944, discharge computed on basis of discharge measurements and comparison with records of nearby stations.

No diversions above station.

TROUBLESOME CREEK AT ATMORE RANCH NEAR TROUBLESOME, COLORADO

Location—Staff gage in SE $\frac{1}{4}$ Sec. 23, T. 3 N., R. 80 W., $3\frac{1}{4}$ miles upstream from East Fork of Troublesome Creek, and 10 miles north of old Troublesome postoffice.

Drainage Area—50.3 square miles.

Records Available—April, 1941 to September 30, 1943.
(Discontinued)

Maximum discharge during period 1941-1943; 209 second feet May 13, 1941, from rating curve extended above 150 second feet. Gage height 2.78 feet.

Maximum Discharge—Year 1943; 144 second feet May 2. Gage height 2.40 feet.

Accuracy—Records considered fair. Staff gage read twice daily.

Diversions for irrigation above station.

TRoublesome Creek NEAR Troublesome, Colorado

Location—Water stage recorder in Sec. 12, T. 1 N., R. 80 W., at bridge $\frac{3}{4}$ mile upstream from mouth and 1 mile northwest of old Troublesome postoffice.

Drainage Area—178 square miles.

Records Available—1904, 1905, 1922-1924, October 1, 1941 to September 30, 1944.

Maximum discharge during period 1922-1924, 1941-1944; 672 second feet May 27, 28, 1923, from rating curve extended above 300 second feet. Gage height 3.32 feet, datum then in use.

Maximum Discharge—Year 1943; 472 second feet, June 2. Gage height 3.18 feet.

Maximum Discharge—Year 1944; 392 second feet May 24. Gage height 2.88 feet.

Accuracy—Records considered fair during 1943 and excellent during 1944, except for period of ice effect, November 24, 1942 to April 13, 1943 and November 8-16, November 27, 1943 to April 22, 1944, which were computed on basis of 14 discharge measurements and weather records, and are fair.

Diversions for irrigation above station.

EAST FORK OF Troublesome Creek NEAR Troublesome, Colorado

Location—Chain gage in NE $\frac{1}{4}$ Sec. 6, T. 2 N., R. 79 W., $\frac{1}{4}$ mile upstream from mouth and $7\frac{1}{2}$ miles north of old Troublesome postoffice. Prior to August 28, 1941, staff gage at same site and datum.

Drainage Area—81.4 square miles.

Records Available—April, 1941 to September 30, 1943. (Discontinued)

Maximum discharge during period 1941-1943; 371 second feet May 27, 1942, from rating curve extended above 190 second feet. Gage height 3.28 feet.

Maximum Discharge—Year 1943; 230 second feet, May 3. Gage height, 2.62 feet.

Accuracy—Records considered good except those for October 15 to November 20, which are fair. Chain gage read twice daily.

Diversions for irrigation above station.

MUDDY CREEK NEAR KREMMLING, COLORADO

Location—Staff gage in SW $\frac{1}{4}$ Sec. 18, T. 4 N., R. 81 W., just upstream from Albert Creek, and 18 miles northwest of Kremmling.

Drainage Area—71.7 square miles.

Records Available—April 24, 1941 to September 30, 1943. (Discontinued)

Maximum discharge during period 1941-1943; 658 second feet May 14, 1941, from rating curve extended above 350 second feet. Gage height 3.86 feet.

Maximum Discharge—Year 1943; 498 second feet, May 3. Gage height 3.20 feet.

Accuracy—Records considered good except those for period of ice effect, November 5-20, 1942, April 1-17, 1943, which are poor.

Several small diversions for irrigation above station. Flow somewhat regulated by Barber Reservoir, capacity 4,290 acre feet.

BLUE RIVER AT DILLON, COLORADO

Location—Water stage recorder in Sec. 18, T. 5 S., R. 77 W., at edge of Dillon, a short distance upstream from Snake River and Ten Mile Creek.

Drainage Area—129 square miles. Zero of gage is 8,821.42 feet above mean sea level, unadjusted.

Records Available—October 15, 1910 to September 30, 1944.

Maximum discharge during period 1910-1944; 1,180 second feet June 2 and June 14, 1924. Maximum gage height observed; 4.35 feet, June 2, 1914.

Maximum Discharge—Year 1943; 584 second feet June 30. Gage height 2.98 feet.

Maximum Discharge—Year 1944; 642 second feet, June 10. Gage height 3.15 feet.

Accuracy—Records considered excellent except those for periods of ice effect, November 22, 23, November 26, 1942 to April 13, 1943, and November 6-8, November 28, 1943 to April 12, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Diversions above station, but practically all are returned to river above station.

BLUE RIVER ABOVE GREEN MOUNTAIN RESERVOIR
NEAR KREMMLING, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 34, T. 2 S., R. 79 W., at steel bridge near upper end of Green Mountain Reservoir, about 5 miles downstream from Slate Creek store and 18 miles southeast of Kremmling.

Drainage Area—479 square miles.

Zero of gage is 7,946.56 feet above mean sea level.

Records Available—May, 1944 to September 30, 1944.

Maximum Discharge—Year 1944; 2,540 second feet June 10. Gage height 3.75 feet.

Accuracy—Records considered good.

Diversions for irrigation above station, chiefly from tributaries.

BLUE RIVER BELOW GREEN MOUNTAIN RESERVOIR NEAR KREMMLING, COLORADO

Location—Water stage recorder in NE $\frac{1}{4}$ Sec. 33, T. 1 S., R. 80 W., just downstream from Spring Creek, 4 miles downstream from Green Mountain Dam, and 10 miles southeast of Kremmling.

Drainage Area—623 square miles.

Records Available—October, 1937 to September 30, 1944.

Maximum discharge during period 1937-1944; 4,000 second feet June 4, 1938, from rating curve extended above 3,000 second feet. Gage height 5.93 feet.

Maximum Discharge—Year 1943; 3,150 second feet June 30. Gage height 5.28 feet.

Maximum Discharge—Year 1944; 1,680 second feet, October 29. Gage height 4.04 feet.

Accuracy—Records considered excellent except those for periods of ice effect November 11, 1942 to April 6, 1943, November 28, 1943 to December 17, 1943, which were computed on basis of discharge measurements and weather records, and are fair.

Diversions for irrigation and storage above station. Green Mountain Reservoir, capacity 280,500 acre feet, in operation in 1942.

SNAKE RIVER NEAR MONTEZUMA, COLORADO

Location—Staff gage in NW $\frac{1}{4}$ Sec. 19, T. 5 S., R. 76 W., 200 feet downstream from mouth of North Fork, and 4 $\frac{1}{2}$ miles northwest of Montezuma. Public Service power canal diverts water at point 500 feet downstream.

Drainage Area—59 square miles.

Records Available—July 15, 1942 to September 30, 1944.

Maximum discharge during period 1942-1944; that of June 9, 1943.

Maximum Discharge—Year 1943; 495 second feet June 9. Gage height 2.65 feet.

Maximum Discharge—Year 1944; 479 second feet June 9. Gage height 2.66 feet.

Accuracy—Records considered good except those during period of ice effect, November 10, 1942 to March 31, 1943, November 2, 1943 to April 6, 1944, and for period of missing gage heights, April 13-14, June 16-18, July 4-5, 16, August 24-25, September 28, October 17-21, 1943, April 18-21, 1944, which were computed on basis of discharge measurements and weather records and are fair.

Small diversions above station for irrigation purposes.

SNAKE RIVER AT DILLON, COLORADO

Location—Water stage recorder in Sec. 18, T. 5 S., R. 77 W., at private bridge at Dillon, 100 yards upstream from mouth.

Drainage Area—92 square miles. Zero of gage is 8,820.54 feet above mean sea level, unadjusted.

Records Available—October 15, 1910 to September 30, 1919, December, 1929 to September 30, 1944.

Maximum discharge during period 1910-1919, 1929-1944; 1,200 second feet June 13, 1935, from rating curve extended above 500 second feet. Gage height 4.25 feet.

Maximum Discharge—Year 1943; 508 second feet June 9. Gage height 3.36 feet.

Maximum Discharge—Year 1944; 563 second feet June 19. Gage height 3.36 feet.

Accuracy—Records considered excellent above 50 second feet, good below, except those for periods of ice effect, November 5, 11-22, 26, November 28 to December 11, 1942, December 13, 1942 to January 21, 1943, January 26 to March 29, November 2-4, 6-17, 19-21, 26-30, December 1-20, December 25, 1943 to March 29, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

One diversion for power above station. Water is returned to Blue River just upstream from mouth of Straight Creek.

TEN MILE CREEK AT FRISCO, COLORADO

Location—Water stage recorder in Sec. 34, T. 5 S., R. 78 W., 100 feet upstream from North Fork and $\frac{1}{2}$ mile west of Frisco.

Drainage Area—79 square miles. Zero of gage is 9,099.32 feet above mean sea level, unadjusted.

Records Available—July 17, 1942 to September 30, 1944.

Maximum discharge during period 1942-1944; that of June 9, 1944.

Maximum Discharge—Year 1943; 635 second feet June 9, from rating curve extended above 380 second feet. Gage height 3.25 feet.

Maximum Discharge—Year 1944; 643 second feet, June 9, from rating curve extended above 380 second feet. Gage height 3.27 feet.

Accuracy—Records considered good except those for period of ice effect and missing gage heights, October 25, 1942 to March 31, 1943 and November 2, 1943 to May 8, 1944, which were computed on basis of discharge measurements, weather records, and comparison with nearby station records, and are fair.

A few small diversions for irrigation above station.

TEN MILE CREEK AT DILLON, COLORADO

Location—Water stage recorder in Sec. 18, T. 5 S., R. 77 W., at Dillon, 250 feet downstream from highway bridge, and 200 yards upstream from mouth.

Drainage Area—113 square miles. Zero of gage is 8,817.97 feet above mean sea level, unadjusted.

Records Available—October 15, 1910 to September 30, 1919, April, 1930 to September 30, 1944.

Maximum discharge during period 1910-1919, 1930-1944; 2,010 second feet June 1, 1933, from rating curve extended above 1,000 second feet. Gage height 5.82 feet, site and datum then in use.

Maximum Discharge—Year 1943; 790 second feet, June 9. Gage height 4.20 feet.

Maximum Discharge—Year 1944; 810 second feet June 9. Gage height 4.15 feet.

Accuracy—Records considered excellent except those for periods of ice effect, November 6, 1942 to April 30, 1943 and November 7, 1943 to March 3, 1944, March 20 to April 20, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Diversions for irrigation and mining above station. Robinson Reservoir, capacity 2,520 acre feet, partly regulates flow.

STRAIGHT CREEK NEAR DILLON, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 4, T. 5 S., R. 77 W., 400 yards upstream from mouth of Laskey Creek, $1\frac{1}{4}$ miles upstream from diversion for Public Service Company's power ditch, and $3\frac{1}{2}$ miles northeast of Dillon.

Drainage Area—12.8 square miles. Zero of gage is 9,392.69 feet above mean sea level, datum 1924.

Records Available—August 31, 1943 to September 30, 1944.

Maximum Discharge—Year 1944; 136 second feet, June 19, from rating curve extended above 70 second feet. Gage height 2.23 feet.

Accuracy—Records considered good except for periods of ice effect, from October 20-27, October 30 to November 12, 26-30, May 1-27, 1944, which are fair.

No diversions above station.

WILLOW CREEK NEAR DILLON, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 1, T. 5 S., R. 78 W., near highway bridge on State Highway No. 9, 9,700 feet upstream from mouth and 3 $\frac{1}{2}$ miles northwest of Dillon.

Drainage Area—13.5 square miles. Zero of gage is 8,691.59 feet above mean sea level, unadjusted.

Records Available—July 15, 1942 to September 30, 1944.

Maximum discharge during period 1942-1944; that of June 2, 1943.

Maximum Discharge—Year 1943; 149 second feet, June 2. Gage height 2.30 feet.

Maximum Discharge—Year 1944; 116 second feet, May 30. Gage height 2.10 feet.

Accuracy—Records considered excellent above 10 second feet and fair below. Records during periods of ice effect, November 10-14, 16-17, November 22, 1942 to April 4, 1943 and November 1-4, 6, 1943 to April 23, 1944 computed on basis of discharge measurements and weather records, and are fair.

Diversions for irrigation above station.

ROCK CREEK NEAR DILLON, COLORADO

Location—Water stage recorder in NE $\frac{1}{4}$ Sec. 9, T. 4 S., R. 78 W., at bridge on State Highway No. 9, $\frac{1}{4}$ mile upstream from mouth and 9 miles northwest of Dillon.

Drainage Area—15.8 square miles. Zero of gage is 8,473.76 feet above mean sea level, unadjusted.

Records Available—July 16, 1942 to September 30, 1944.

Maximum discharge during period 1942-1944; 199 second feet June 30, 1943. Gage height 2.34 feet.

Maximum Discharge—Year 1943; 199 second feet June 30. Gage height 2.34 feet.

Maximum Discharge—Year 1944; 157 second feet, May 30. Gage height 2.19 feet.

Accuracy—Records considered good except those for period of ice effect, from November 9, 1942 to April 20, 1943, November 2, 1943 to May 12, 1944, and periods of no gage heights, September 25 to October 20, 1943, which were computed on basis of discharge measurements, weather records, and comparison with records of adjacent stations, and are fair.

A few small diversions for irrigation above station.

BOULDER CREEK NEAR DILLON, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 4 T. 4 S., R. 78 W., at bridge on State Highway No. 9, 500 feet upstream from mouth at Boulder Creek Camp Ground and 10 miles northwest of Dillon.

Drainage Area—9.7 square miles. Zero of gage is 8,456.79 feet above mean sea level, unadjusted.

Records Available—July 18, 1942 to September 30, 1944.

Maximum discharge during period 1942-1944; 255 second feet, June 21, 1943, from rating curve extended above 130 second feet. Gage height 2.97 feet.

Maximum Discharge—Year 1943; 255 second feet June 21, from rating curve extended above 130 second feet. Gage height 2.97 feet.

Maximum Discharge—Year 1944; 154 second feet June 24. Gage height 2.61 feet.

Accuracy—Records considered good except those for period of ice effect, November 26, 1942 to April 21, 1943, November 3-17, November 23 to April 7, 1944, and missing gage heights, September 3, 1943 to October 18, 1943, which were computed on basis of discharge measurements and weather records, and are fair.

Diversions for irrigation above station.

SLATE CREEK NEAR DILLON, COLORADO

Location—Water stage recorder in NE $\frac{1}{4}$ Sec. 19, T. 3 S., R. 78 W., 2,000 feet upstream from mouth, 13 miles northwest of Dillon. Prior to May 3, 1943, staff gage at site 1,900 feet downstream at different datum.

Drainage Area—16.8 square miles. Zero of gage is 8,227.70 feet above mean sea level, unadjusted.

Records Available—July 18, 1942 to September 30, 1944.

Maximum discharge during period 1942-1944; 203 second feet, June 30, 1943, from rating curve extended above 110 second feet. Gage height 2.25 feet.

Maximum Discharge—Year 1943; 203 second feet June 30, from rating curve extended above 110 second feet. Gage height 2.25 feet.

Maximum Discharge—Year 1944; 120 second feet June 25. Gage height 1.81 feet.

Accuracy—Records considered excellent except those prior to May 3, 1943, when gage was read daily, which was fair. Records during period of no gage height and ice effect, November 5, 1942 to April 3, 1943, October 1-15, November 2, 3, 6-13, November 26, 1943 to April 26, 1944, computed on basis of discharge measurements and weather records, and are fair.

Numerous diversions for irrigation above station.

BLACK CREEK BELOW BLACK LAKE NEAR DILLON, COLORADO

Location—Water stage recorder in Sec. 8, T. 3 S., R. 79 W., $\frac{3}{4}$ mile downstream from Black Lake and 17 miles northwest of Dillon. Prior to May 28, 1943, staff gage at same site and datum.

Drainage Area—12.0 square miles.

Records Available—July 17, 1942 to September 30, 1944.

Maximum discharge during period 1942-1944; that of July 1, 1943.

Maximum Discharge—Year 1943; 384 second feet July 1, from rating curve extended above 170 second feet. Gage height 4.72 feet.

Maximum Discharge—Year 1944; 207 second feet June 25. Gage height 3.68 feet.

Accuracy—Records considered excellent except for periods of no gage heights and ice effect, from January 1, 1943 to April 30, and December 1, 1943 to May 18, 1944, which were computed on basis of 3 and 4 discharge measurements respectively, weather records, and comparison with nearby stations, and are fair.

No diversions above station. Black Lake not regulated.

BLACK CREEK ABOVE GREEN MOUNTAIN RESERVOIR NEAR KREMMLING, COLORADO

Location—Water stage recorder in NE $\frac{1}{4}$ Sec. 29, T. 2 S., R. 79 W., at highway bridge 16 miles southeast of Kremmling, and just above high water line of Green Mountain Reservoir.

Drainage Area—18.2 square miles.

Records Available—May 20, 1944 to September 30, 1944.

Maximum Discharge—Year 1944; 184 second feet June 25. Gage height 2.24 feet.

Accuracy—Records considered fair.

Several small diversions for irrigation above station.

OTTER CREEK ABOVE GREEN MOUNTAIN RESERVOIR NEAR KREMMLING, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 29, T. 2 S., R. 79 W., a few hundred feet upstream from high water line of Green Mountain Reservoir, near the concrete conduit on State Highway No. 9, and 16 miles southeast of Kremmling.

Drainage Area—9.4 square miles.

Records Available—May 20 to September 30, 1944.

Maximum Discharge—Year 1944; 34 second feet June 1. Gage height 1.03 feet.

Accuracy—Records considered good.

A few small diversions for irrigation above station.

CATARACT CREEK ABOVE GREEN MOUNTAIN RESERVOIR NEAR KREMMLING, COLORADO

Location—Water stage recorder in NE $\frac{1}{4}$ Sec. 25, T. 2 S., R. 80 W., at Lawson Ranch 0.8 miles west of State Highway No. 9 and 16 miles southwest of Kremmling. Cataract Creek enters Green Mountain Reservoir, the high water line of which is 1 mile downstream.

Drainage Area—15.5 square miles.

Records Available—May 21 to September 30, 1944.

Maximum Discharge—Year 1944; 179 second feet June 25. Gage height 1.79 feet.

Accuracy—Records considered good.

A few diversions for irrigation above station.

ELLIOTT CREEK FEEDER CANAL TO GREEN MOUNTAIN RESERVOIR NEAR KREMMLING, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ Sec. 15, T. 2 S., R. 80 W., at lower end of canal section at entrance to concrete drop, 600 feet west of State Highway 9, 0.2 miles upstream from dam and 14 miles southeast of Kremmling. This feeder canal diverts practically all of the flow of Elliott Creek except during extreme high water.

Records Available—May 22, 1944 to September 30, 1944.

Maximum Discharge—Year 1944; 155 second feet June 21. Gage height 2.77 feet.

Accuracy—Records considered excellent.

PINEY RIVER NEAR STATE BRIDGE, COLORADO

Location—Water stage recorder in Sec. 15, T. 3 S., R. 82 W., at Perry Olsen Ranch, just downstream from mouth of Rock Creek and 6 miles southeast of State Bridge.

Drainage Area—82.6 square miles.

Records Available—May 30, 1944 to September 30, 1944.

Maximum Discharge during period 1944; 534 second feet, May 30, from rating curve extended above 335 second feet. Gage height 2.46 feet.

Accuracy—Records considered good.

A few small diversions for irrigation above station.

EAGLE RIVER AT REDCLIFF, COLORADO

Location—Water stage recorder in SW $\frac{1}{4}$ Sec. 20, T. 6 S., R. 80 W., at upper end of Redcliff. Turkey Creek enters $\frac{1}{3}$ mile downstream.

Drainage Area—72.2 square miles.

Records Available—May 25, 1944 to September 30, 1944.

Maximum Discharge—Year 1944; 205 second feet May 26.
Gage height 3.00 feet.

Accuracy—Records considered excellent except for May 26-28, which were estimated and are fair.

Diversions for irrigation and transmountain diversions to Arkansas River and Ten Mile Creek above station. For record of transmountain diversion, refer to table in station description of Arkansas River at Granite.

TURKEY CREEK AT REDCLIFF, COLORADO

Location—Water stage recorder in Sec. 19, T. 6 S., R. 80 W., at highway bridge in Redcliff and 800 feet upstream from mouth.

Drainage Area—28.6 square miles.

Records Available—May 24 to September 30, 1944.

Maximum Discharge—Year 1944; 265 second feet June 10.
Gage height 2.49 feet.

Accuracy—Records considered fair.

A few small diversions for irrigation above station.

HOMESTAKE CREEK NEAR REDCLIFF, COLORADO

Location—Water stage recorder in Sec. 6, T. 7 S., R. 80 W., at Forest Service bridge 3 miles upstream from mouth at Redcliff.

Drainage Area—58.9 square miles.

Records Available—May 25 to September 30, 1944.

Maximum discharge during period; 754 second feet May 31, from rating curve extended above 362 second feet. Gage height 3.74 feet.

Accuracy—Records considered excellent except for period of no gage heights, September 12-30, which are fair.

No diversions above station.

GORE CREEK NEAR MINTURN, COLORADO

Location—Water stage recorder in SW $\frac{1}{4}$ Sec. 14, T. 5 S., R. 81 W., at private bridge 1 mile upstream from mouth and 2 miles north of Minturn. This station is close to U. S. Highway 6.

Drainage Area—100 square miles.

Records Available—May 26, 1944 to September 30, 1944.

Maximum discharge during period; 864 second feet June 9, from rating curve extended above 628 second feet.

Accuracy—Records considered good except those for period of missing gage heights, June 10-12, 14, 15, computed on basis of record for station on Turkey Creek and are fair.

A few small diversions for irrigation above station.

ROARING FORK RIVER AT ASPEN, COLORADO

Location—Water stage recorder in Sec. 7, T. 10 S., R. 84 W., at bridge near old Power Plant in Aspen, $\frac{3}{4}$ mile upstream from Hunter Creek.

Drainage Area—109 square miles. Zero of gage is 7,884.58 feet above mean sea level, datum of 1929.

Records Available—January 1, 1911 to September 30, 1921, April 24, 1932 to September 30, 1944.

Maximum discharge during period 1911-1921, 1932-1944; 3,170 second feet June 18, 1917, from rating curve extended above 1,200 second feet. Gage height 7.2 feet, former site and datum.

Maximum Discharge—Year 1943; 610 second feet June 10. Gage height 3.49 feet.

Maximum Discharge—Year 1944; 565 second feet June 22. Gage height 3.45 feet.

Accuracy—Records considered excellent above 30 second feet and fair below, except those for periods of ice effect, December 5, 1942 to March 31, 1943, and November 8-9, November 26, 1943 to February 24, 1944, March 7-8, 28, 29, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Transmountain diversion at point 15 miles upstream through Twin Lakes Tunnel to Arkansas River basin since May 24, 1935.

Twin Lakes Tunnel Diversion

Water Year 1942-43		Water Year 1943-44	
Date	Acre Feet	Date	Acre Feet
Oct., 1942	276	Oct., 1943	303
Nov., 1942	188	Nov., 1943	533
Dec., 1942	149	Dec. 1943	540
Jan., 1943	111	Jan., 1944	277
Feb., 1943	101	Feb., 1944	303
Mar., 1943	121	Mar., 1944	108
Apr., 1943	944	Apr., 1944	95
May, 1943	8,340	May, 1944	5,870
June, 1943	21,590	June, 1944	20,000
July, 1943	8,460	July, 1944	8,370
Aug., 1943	6,080	Aug., 1944	1,020
Sept., 1943	1,660	Sept., 1944	313
Total	48,020		37,730

ROARING FORK RIVER AT GLENWOOD SPRINGS,
COLORADO

Location—Water stage recorder in Sec. 9, T. 6 S., R. 89 W., at Glenwood Springs 1,500 feet upstream from mouth.

Drainage Area—1,460 square miles. Zero of gage is 5,720.73 feet above mean sea level, adjustment of 1912.

Records Available—April, 1906 to September, 1909, September, 1910 to September 30, 1944.

Maximum discharge during period 1906-1909, 1910-1944; 17,600 second feet June 14, 1918, and June 14, 1921.

Maximum Discharge—Year 1943; 9,130 second feet, June 2. Gage height 5.82 feet.

Maximum Discharge—Year 1944; 7,360 second feet, June 25. Gage height 5.04 feet.

Accuracy—Records considered excellent.

Diversions for irrigation above station. Transmountain diversions by Twin Lakes and Busk-Ivanhoe Tunnels from headwaters into Arkansas River basin.

CRYSTAL RIVER NEAR REDSTONE, COLORADO

Location—Water stage recorder in NE $\frac{1}{4}$ Sec. 9, T. 9 S., R. 88 W., 75 feet downstream from Nettle Creek and 7 miles downstream from Redstone.

Drainage Area—197 square miles. Zero of gage is 6,485.07 feet above mean sea level, unadjusted.

Records Available—May 12, 1935 to September 30, 1944.

Maximum discharge during period 1935-1944; 4,400 second feet June 21, 1938, from rating curve extended above 2,400 second feet. Gage height 5.96 feet.

Maximum Discharge—Year 1943; 3,110 second feet, June 2, from rating curve extended above 2,400 second feet. Gage height 4.96 feet.

Maximum Discharge—Year 1944; 2,870 second feet, June 25. Gage height 4.78 feet.

Accuracy—Records considered good except those for periods of ice effect, December 15-21, 1942, January 19-20, 1943, December 31, 1943 to February 4, 14-16, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Diversions for irrigation above station.

FOURMILE CREEK NEAR CARBONDALE, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ Sec. 36, T. 7 S., R. 90 W., at Holy Cross National Forest Boundary 9 miles west of Carbondale.

Drainage Area—8.0 square miles.

Records Available—April, 1942 to September 30, 1944.

Maximum discharge during period 1942-1944; that of May 15, 1944.

Maximum Discharge—Year 1943; 60 second feet, May 4. Gage height 2.17 feet.

Maximum Discharge—Year 1944; 146 second feet, May 15, from rating curve extended above 51 second feet. Gage height 2.86 feet.

Accuracy—Records considered excellent above 2.0 second feet and fair below. During periods of ice effect, October 29 to November 30, 1943 and April 1 to May 9, 1944, records computed on basis of 2 discharge measurements and weather reports, and are fair.

No diversions or regulations above station.

WEST DIVIDE CREEK BELOW WILLOW CREEK NEAR RAVEN, COLORADO

Location—Water stage recorder in NE $\frac{1}{4}$ Sec. 14, T. 9 S., R. 91 W., at Weatherly Ranch, $\frac{1}{4}$ mile downstream from Willow Creek and 15 miles south of Raven.

Drainage Area—32.7 square miles.

Records Available—April 1, 1938 to September 30, 1944.

Maximum discharge during period 1938-1944; 876 second feet, May 13, 1941, from rating curve extended above 320 second feet. Gage height 3.27 feet.

Maximum Discharge—Year 1943; 169 second feet, April 30. Gage height 2.07 feet.

Maximum Discharge—Year 1944; 698 second feet, May 15. Gage height 3.33 feet.

Accuracy—Records considered good except those for periods of no gage heights and ice effect, November 16 to December 8, 1942, January 18 to March 16, 1943, March 27-29, November 21, 1943 to April 26, 1944, computed on basis of discharge measurements and weather records, and are fair.

Transmountain diversions into basin above station from Clear Fork of East Muddy Creek (Gunnison River Basin), and from Thompson Creek (Roaring Fork basin).

Diversions by Clear Fork Ditch and Thompson Creek Feeder Ditch

Water Year 1942-43			Water Year 1943-44		
Date	Clear Fork Ditch	Thompson Creek Feeder	Date	Clear Fork Ditch	Thompson Creek Feeder
	Acre Feet	Acre Feet		Acre Feet	Acre Feet
May	161	136	June	117	194
June	930	412	July	686	152
July	235	30			
Totals	1,326	578		803	346

RIFLE CREEK NEAR RIFLE, COLORADO

Location—Water stage recorder in NE $\frac{1}{4}$ Sec. 18, T. 5 S., R. 92 W., 1 mile downstream from West Rifle Creek and 6.2 miles northeast of Rifle.

Drainage Area—140 square miles.

Records Available—October, 1940 to September 30, 1944.

Maximum discharge during period 1940-1944; 348 second feet, May 27, 1942, from rating curve extended above 140 second feet. Gage height 2.98 feet.

Maximum Discharge—Year 1943; 126 second feet March 10. Gage height 2.70 feet.

Maximum Discharge—Year 1944; 110 second feet May 24. Gage height 2.30 feet.

Accuracy—Records considered fair to May 1, 1943 and excellent from May 1 to November 26, 1943. During ice effect period, November 27, 1943 to February 28, 1944 and periods of missing gage heights, March 9-16, April 25-28, May 1-15, May 25 to June 7, 29-30, 1944 records are fair.

Diversions for irrigation above station. Some regulation of low flows by power plant on East Rifle Creek.

EAST FORK OF RIFLE CREEK NEAR RIFLE, COLORADO

Location—Water stage recorder in Sec. 22, T. 4 S., R. 92 W., just downstream from Rifle Falls, 7.2 miles upstream from mouth, and 12 miles northeast of Rifle.

Drainage Area—32 square miles.

Records Available—October, 1940 to September 30, 1943. (Discontinued)

Maximum discharge during period 1940-1943; 168 second feet May 27, 1942. Gage height 2.32 feet.

Maximum Discharge—Year 1943; 52 second feet August 18. Gage height 1.58 feet.

Accuracy—Records considered good.

Several small diversions for irrigation above station. Flow regulated by power plant just above station.

PLATEAU CREEK AT UPPER STATION NEAR COLLBRAN, COLORADO

Location—Water stage recorder in Sec. 6, T. 10 S., R. 93 W., at Vega dam site, $\frac{3}{4}$ of a mile upstream from Park Creek and 8 miles southeast of Collbran.

Drainage Area—24.3 square miles.

Records Available—August 1, 1941 to September 30, 1943. (Discontinued)

Maximum discharge during period 1941-1943; May 27, 1942 450 second feet. Gage height 3.90 feet.

Maximum Discharge—Year 1943; 240 second feet June 2. Gage height 3.14 feet.

Accuracy—Records considered good above 10 second feet and fair below.

One diversion above station for irrigation.

PLATEAU CREEK NEAR COLIBRAN, COLORADO

Location—Water stage recorder in NE $\frac{1}{4}$ Sec. 26 (Revised), T. 9 S., R. 94 W., 7 miles east of Collbran.

Drainage Area—88 square miles.

Records Available—August 20, 1921 to September 30, 1944.

Maximum discharge during period 1921-1944; 2,800 second feet May 28, 1922, from rating curve extended above 1,300 second feet. Gage height 6.72 feet, site and datum then in use.

Maximum Discharge—Year 1943; 1,540 second feet August 11. Gage height 5.16 feet.

Maximum Discharge—Year 1944; 1,330 second feet June 9. Gage height 4.89 feet.

Accuracy—Records considered good except those during periods of ice effect, November 21, 1942 to March 27, 1943, November 2-5, 7, 8, November 24, 1943 to March 1, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Five small diversions for irrigation above station.

PLATEAU CREEK NEAR CAMEO, COLORADO

Location—Water stage recorder in SW $\frac{1}{4}$ Sec. 18, T. 10 S., R. 97 W., 1.1 miles upstream from mouth, and 4 miles northeast of Cameo.

Drainage Area—604 square miles.

Records Available—April 26, 1936 to September 30, 1944.

Maximum discharge during period 1936-1944; 3,920 second feet May 27, 1942, from rating curve extended above 3,000 second feet. Gage height 7.73 feet.

Maximum Discharge—Year 1943; 1,920 second feet June 2. Gage height 5.20 feet.

Maximum Discharge—Year 1944; 2,320 second feet May 24. Gage height 5.76 feet.

Accuracy—Records considered excellent for 1943 and good for 1944, except those for periods of ice effect, January 3-31, 1943 and December 28, 1943 to February 7, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Diversions for irrigation above station.

Revision—Revised figures of discharge, in second feet, during period in water year 1941-42, superseding those published in biennial report 1941-42, are given below:

Date	Second Feet	Date	Second Feet	Date	Second Feet
June 14, 1942..	1,200	June 22, 1942..	470	June 30, 1942..	222
June 15, 1942..	976	June 23, 1942..	410		
June 16, 1942..	872	June 24, 1942..	378	July 1, 1942....	204
June 17, 1942..	914	June 25, 1942..	346	July 2, 1942....	188
June 18, 1942..	818	June 26, 1942..	306	July 3, 1942....	175
June 19, 1942..	748	June 27, 1942..	293	July 4, 1942....	165
June 20, 1942..	640	June 28, 1942..	262	July 5, 1942....	158
June 21, 1942..	550	June 29, 1942..	244		

Month	Total Second Feet	Mean Second Feet	Minimum Second Feet	Runoff In Acre Feet
June, 1942	33,399	1,113	222	66,250
July, 1942	3,713	120	.....	7,360

Water Year	Total Second Feet	Mean Second Feet	Minimum Second Feet	Runoff In Acre Feet
1941-1942	151,794	416	.....	301,000

BUZZARD CREEK NEAR COLLBRAN, COLORADO

Location—Water stage recorder in Sec. 14, T. 9 S., R. 94 W., $1\frac{1}{2}$ mile upstream from Brush Creek and 7 miles east of Collbran.

Drainage Area—139 square miles.

Records Available—August 18, 1921 to September 30, 1944.

Maximum discharge during period 1921-1944; 1,630 second feet May 14, 1941, from rating curve extended above 900 second feet. Gage height 7.80 feet.

Maximum Discharge—Year 1943; 342 second feet June 2. Gage height 3.73 feet.

Maximum Discharge—Year 1944; 1,530 second feet May 17, from rating curve extended above 900 second feet. Gage height 7.40 feet.

Accuracy—Records considered good except those for periods of ice effect, October 7, 1942 to March 27, 1943, November 8-10, 30, 31, December 1-5, 1943, and from December 8, 1943 to April 4, 1944, which were computed on basis of discharge measurements, weather records, and records for nearby stations, and are fair.

Diversions for irrigation above station.

BIG CREEK NEAR COLLBRAN, COLORADO

Location—Water stage recorder in NE $1\frac{1}{2}$ Sec. 14, T. 10 S., R. 95 W., 3 miles south of Collbran and $4\frac{1}{2}$ miles upstream from mouth.

Drainage Area—25.3 square miles.

Records Available—October, 1941 to July 4, 1944. (Discontinued)

Maximum discharge during period 1941-1944; that of May 30, 1942.

Maximum Discharge—Year 1942; 750 second feet May 30, 31, June 1, from rating curve extended above 280 second feet. Gage height 3.00 feet, site and datum then in use.

Maximum Discharge—Year 1943; 248 second feet August 8, from rating curve extended above 41 second feet. Gage height 3.60 feet.

Maximum Discharge—Year 1944; 590 second feet June 10, from rating curve extended above 144 second feet. Gage height 4.68 feet.

Accuracy—Records considered fair.

Diversions for storage and irrigation above station.

COTTONWOOD CREEK NEAR MOLINA, COLORADO

Location—Staff gage in NW $\frac{1}{4}$ Sec. 29, T. 10 S., R. 95 W., $3\frac{1}{3}$ miles southeast of Molina.

Drainage Area—19.7 square miles.

Records Available—October 1, 1941 to September 30, 1943. (Discontinued)

Maximum discharge during period; 120 second feet May 26, 1942. Gage height 3.22 feet.

Maximum Discharge—Year 1943; 165 second feet May 29, June 2. Gage height 1.20 feet.

Accuracy—Records considered fair.

Diversions for irrigation and storage above station.

BULL CREEK AT GOYN RANCH NEAR MOLINA, COLORADO

Location—Staff gage in N $\frac{1}{2}$ Sec. 36, T. 10 S., R. 96 W., at Goyñ ranch about $3\frac{1}{2}$ miles upstream from mouth and $3\frac{1}{2}$ miles south of Molina.

Drainage Area—13.8 square miles. (Revised)

Records Available—May 4, 1942 to September 30, 1943. (Discontinued)

Maximum discharge during period 1942-1943; 160 second feet May 26, 1942, from rating curve extended above 100 second feet. Gage height 2.00 feet.

Maximum Discharge—Year 1943; 42 second feet June 2. Gage height 1.34 feet.

Accuracy—Records considered fair. Staff gage read twice daily.

Small diversions for irrigation and storage above station.

COON CREEK NEAR MESA, COLORADO

Location—Staff gage in NE $\frac{1}{4}$ Sec. 8, T. 11 S., R. 96 W., 3 miles south of Mesa.

Drainage Area—10.0 square miles. Altitude 6,910 feet above mean sea level (by barometer).

Records Available—April 1, 1941 to September 30, 1943. (Discontinued)

Maximum discharge during period 1941-1943; 64 second feet May 26, 1942. Gage height 2.12 feet.

Maximum Discharge—Year 1943; 14 second feet April 29. Gage height 1.00 feet.

Accuracy—Records considered poor. Gage read twice daily.

One small diversion for irrigation above station. Flow regulated by few small reservoirs on headwaters.

MESA CREEK NEAR MESA, COLORADO

Location—Water stage recorder in SW $\frac{1}{4}$ Sec. 16, T. 11 S., R. 96 W., $\frac{1}{8}$ mile upstream from unnamed stream and 5 $\frac{1}{2}$ miles southeast of Mesa. Prior to April 29, 1943, staff gage at site $\frac{1}{2}$ mile upstream, at different datum.

Records Available—April 1, 1941 to September 30, 1944.

Maximum discharge during period 1941-1944; 140 second feet May 12, 1941, from rating curve extended above 50 second feet. Gage height 2.00 feet, site and datum then in use.

Maximum Discharge—Year 1943; 35 second feet May 4. Gage height 1.45 feet.

Maximum Discharge—Year 1944; 71 second feet May 23. Gage height 1.83 feet.

Accuracy—Records considered good for 1943 and excellent for 1944, except those during periods of ice effect, November 8, 1942 to April 28, 1943 and November 1, 1943 to April 4, 1944, computed on basis of discharge measurements and weather records, and are fair.

Several reservoirs above, and many diversions below station.

TAYLOR RIVER BELOW TAYLOR PARK RESERVOIR,
COLORADO

Location—Water stage recorder in Sec. 24, T. 14 S., R. 83 W., $\frac{1}{4}$ mile downstream from Taylor Park Reservoir Dam, and 16 miles northeast of Almont.

Drainage Area—245 square miles. (Corrected) Zero of gage is 9,168.67 feet above mean sea level (Bureau of Reclamation B. M.).

Records Available—October 1, 1938 to September 30, 1944.

Maximum discharge during period 1938-1944; 1,220 second feet June 19, 1942. Gage height 4.25 feet.

Maximum Discharge—Year 1943; 935 second feet June 11. Gage height 3.81 feet.

Maximum Discharge—Year 1944; 950 second feet September 11-12. Gage height 3.84 feet.

Accuracy—Records considered excellent except those for periods of no gage height record, November 8, 1942 to May 23, 1943, November 1, 1943 to May 28, 1944. Discharge computed on basis of discharge measurements and records of release through needle valve from Taylor Park Reservoir, and are good. Flow regulated by Taylor Park Reservoir, capacity 106,000 acre feet.

TAYLOR RIVER AT ALMONT, COLORADO

Location—Water stage recorder in Sec. 22, T. 51 N., R. 1 E., at highway bridge in Almont, 800 feet upstream from confluence with East River.

Drainage Area—440 square miles. Zero of gage is 8,010.76 feet above mean sea level, datum of 1929.

Records Available—July 27, 1910 to September 30, 1944.

Maximum discharge during period 1910-1944; 3,760 second feet June 9, 1920, from rating curve extended above 2,300 second feet. Gage height 5.00 feet.

Maximum Discharge—Year 1943; 1,410 second feet June 11. Gage height 3.61 feet.

Maximum Discharge—Year 1944; 1,390 second feet June 11. Gage height 3.59 feet.

Accuracy—Records considered excellent except those for periods of ice effect, November 22-24, 26-27, 30, December 8, 1942 to April 1, 1943, November 7-12, November 28 to December 3, December 10, 1943 to April 4, 1944, which were computed on basis of discharge measurements and weather records, and are fair. Flow is controlled by Taylor Park Reservoir above station, capacity 106,000 acre feet.

Diversions for irrigation on tributaries above station.

GUNNISON RIVER AT IOLA, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 28, T. 49 N., R. 2 W., 1,000 feet upstream from highway bridge and 3,000 feet northeast of Iola. Station maintained 1900 to 1903, 1,000 feet downstream at different datum. Records comparable.

Drainage Area—2,490 square miles. Zero of gage is 7,434.63 feet above mean sea level, datum of 1929.

Records Available—1900 to 1903, April 20, 1938 to September 30, 1944.

Maximum discharge during period 1900-1903, 1938-1944; 6,130 second feet June 18, 1903. Gage height 6.00 feet, site and datum then in use.

Maximum Discharge—Year 1943; 4,100 second feet June 3. Gage height 3.41 feet.

Maximum Discharge—Year 1944; 4,830 second feet June 1. Gage height 3.74 feet.

Accuracy—Records considered excellent except those for periods of ice effect, December 1, 1942 to April 10, 1943, November 9, 1943 to April 14, 1944, which were computed on basis of three discharge measurements and reather records, and are fair.

Diversions for storage and irrigation above station. Flow regulated by Taylor Park Reservoir.

GUNNISON RIVER BELOW GUNNISON TUNNEL NEAR MONTROSE, COLORADO

Location—water stage recorder in NW $\frac{1}{4}$ Sec. 10, T. 49 N. R. 7 W., $\frac{1}{4}$ mile downstream from East Portal of Gunnison Tunnel and 12 miles northeast of Montrose. Former station at site $\frac{1}{2}$ mile upstream, just above East Portal.

Drainage Area—3,980 square miles. Zero of gage is 6,527.06 feet above mean sea level, datum of 1929.

Records Available—January 20, 1943 to September 30, 1944, April, 1905 to September, 1911, at site above East Portal. Records prior to 1943 include diversions by tunnel.

Maximum discharge during period 1905-1911, 1943-1944; 15,000 second feet discharge measurement June 14, 1906.

Maximum Discharge—Year 1943; 7,850 second feet June 2. Gage height 8.60 feet.

Maximum Discharge—Year 1944; 11,300 second feet May 17, from rating curve extended above 7,500 second feet. Gage height 10.85 feet.

Accuracy—Records considered excellent, except those for period of ice effect, January 20 to March 15, 1943, December 1, 1943 to March 21, 1944, which were computed on basis of discharge measurements and weather records, and are fair. September 20-27, 1944, period of missing gage heights, computed on basis of one measurement.

Diversions for irrigation and also by the Gunnison Tunnel above station.

GUNNISON RIVER NEAR GRAND JUNCTION, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 35, T. 1 S., R. 1 W., Ute meridian, $\frac{1}{2}$ mile downstream from point of diversion of Redlands Power Canal and 2 miles upstream from mouth and Grand Junction.

Drainage Area—8,020 square miles.

Records Available—May, 1897 to September, 1899 (at site near mouth); April, 1917 to September, 1930, January, 1934 to September 30, 1944.

Maximum discharge during period 1917-1930, 1933-1944; 35,700 second feet May 23, 1920, from rating curve extended above 21,400 second feet. Gage height 14.95 feet.

Maximum Discharge—Year 1943; 13,700 second feet May 5.

Maximum Discharge—Year 1944; 27,200 second feet May 17.

Accuracy—Records considered excellent except those for periods of ice effect, January 17-19, February 10, 1943, December 31, 1943, January 1-2, 4-6, 8-31, February 1-8, 1944, which were computed on basis of discharge measurements, weather records, and comparison with records of Roaring Fork at Glenwood Springs, and are fair.

Diversions for irrigation above station. Discharges recorded are combination of river discharge and power canal diversion.

EAST RIVER NEAR CRESTED BUTTE, COLORADO

Location—Water stage recorder in NE $\frac{1}{4}$ Sec. 5, T. 14 S., R. 85 W., at highway bridge, 1.2 miles downstream from Brush Creek and 4 $\frac{1}{2}$ miles east of Crested Butte.

Drainage Area—89.2 square miles.

Records Available—April 20, 1941 to September 30, 1944.

Maximum discharge during period 1941-1944; that of June 27, 1944.

Maximum Discharge—Year 1943; 936 second feet June 22, from rating curve extended above 700 second feet. Gage height 2.57 feet.

Maximum Discharge—Year 1944; 1,060 second feet June 27, from rating curve extended above 700 second feet. Gage height 2.72 feet.

Accuracy—Records considered excellent except those of no gage height record and ice effect period, October 25, 1942 to November 10, November 12, 1942 to April 14, 1943, and November 8, 1943 to April 26, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Small diversions for irrigation above station.

EAST RIVER AT ALMONT, COLORADO

Location—Water stage recorder in Sec. 22, T. 51 N., R. 1 E., at Almont, 400 feet upstream from mouth.

Drainage Area—295 square miles. Zero of gage is 8,008.29 feet above mean sea level, (revised) datum of 1929.

Records Available—April to October, 1905, July, 1910 to April, 1922, October, 1934 to September 30, 1944.

Maximum discharge during period 1905, 1910-1922, 1934-1944; 6,500 second feet June 15, 1921, from rating curve extended above 3,000 second feet. Gage height 6.6 feet, site and datum then in use.

Maximum Discharge—Year 1943; 2,450 second feet June 2, from rating curve extended above 1,600 second feet. Gage height 4.52 feet.

Maximum Discharge—Year 1944; 2,060 second feet May 31. Gage height 4.22 feet.

Accuracy—Records considered excellent except those for periods of ice effect, December 8, 1942 to April 1, 1943, November 28, 1943 to December 2, December 10-20, December 26, 1943 to February 25, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Diversions for irrigation above station.

SLATE RIVER NEAR CRESTED BUTTE, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 2, T. 14 S., R. 86 W., $\frac{1}{2}$ mile downstream from Coal Creek and 1 mile east of Crested Butte.

Drainage Area—69.0 square miles.

Records Available—April 18, 1941 to September 30, 1944.

Maximum discharge during period 1941-1944; 1,240 second feet May 13, 1941. Gage height 3.98 feet.

Maximum Discharge—Year 1943; 1,200 second feet June 2. Gage height 3.98 feet.

Maximum Discharge—Year 1944; 1,000 second feet May 31. Gage height 3.89 feet.

Accuracy—Records considered excellent except those below 30 second feet, which are fair. Those during periods of ice effect, December 5, 1942 to April 14, 1943, and November 7-10, November 26 to April 11, 1944, were computed on basis of discharge measurements and weather records, and are fair.

Diversions for irrigation above station.

COAL CREEK NEAR CRESTED BUTTE, COLORADO

Location—Water stage recorder in Sec. 1, T. 14 S., R. 87 W., 0.2 mile downstream from Elk Creek and 4 miles west of Crested Butte on State Highway 135. Station is located about 200 feet downhill from highway.

Drainage Area—8.5 square miles. Zero of gage is 9,495.80 feet above mean sea level, datum of 1929.

Records Available—October 1, 1941 to September 30, 1944.

Maximum discharge during period 1941-1944; 207 second feet May 26, 1942, from rating curve extended above 90 second feet. Gage height 2.93 feet.

Maximum Discharge—Year 1943; 191 second feet June 1, from rating curve extended above 90 second feet. Gage height 2.85 feet.

Maximum Discharge—Year 1944; 187 second feet June 20. Gage height 2.82 feet.

Accuracy—Records considered good except those during ice effect periods, November 22, 1942 to April 16, 1943 and October 31, 1943 to April 25, 1944, which were computed on basis of discharge measurements and weather records, and are poor.

No diversions above station. Some water released from Lake Brennan (Anthracite River Basin) for use of Town of Crested Butte.

CEMENT CREEK NEAR CRESTED BUTTE, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ Sec. 13, T. 14 S., R. 85 W., near Pioneer Resort, 1 $\frac{1}{4}$ miles upstream from Ward Gulch and 9 miles southeast of Crested Butte.

Drainage Area—27.7 square miles.

Records Available—November, 1910 to November, 1913, at site two miles downstream at different datum; April 18, 1941 to September 30, 1944.

Maximum discharge during period 1910-1913, 1941-1944; 330 second feet June 7, 1912, from rating curve extended above 270 second feet. Gage height 1.9 feet, site and datum then in use.

Maximum Discharge—Year 1943; 185 second feet June 1. Gage height 2.57 feet.

Maximum Discharge—Year 1944; 232 second feet June 10. Gage height 2.79 feet.

Accuracy—Records considered good except those for period of ice effect and of missing gage height records, October 20, 1942 to April 14, 1943, November 23, 1943 to May 9, 1944, which were computed on basis of discharge measurements and weather records, and are poor.

Diversions for irrigation above station.

OHIO CREEK NEAR BALDWIN, COLORADO

Location—Water stage recorder in SW $\frac{1}{4}$ Sec. 34, T. 15 S., R. 86 W., 800 feet downstream from Mill Creek and 5 $\frac{1}{2}$ miles southeast of Baldwin.

Drainage Area—124 square miles.

Records Available—April 15, 1941 to September 30, 1944.

Maximum discharge during period 1941-1944; that of May 17, 1944.

Maximum Discharge—Year 1943; 808 second feet May 3, from rating curve extended above 700 second feet. Gage height 3.55 feet.

Maximum Discharge—Year 1944; 1,040 second feet May 17, from rating curve extended over 700 second feet. Gage height 4.21 feet.

Accuracy—Records considered good except those during period of ice effect, November 2-8, 11, 1942 to April 14, 1943, and November 7-13, November 26, 1943 to April 24, 1944, which were computed on basis of discharge measurements and weather records, and are poor.

Many small diversions for irrigation above station.

TOMICHI CREEK AT SARGENTS, COLORADO

Location—Water stage recorder in SW $\frac{1}{4}$ Sec. 21, T. 48 N., R. 5 E., $\frac{1}{2}$ mile downstream from Marshall Creek and $\frac{3}{4}$ mile south of Sargents. Station maintained from 1917 to 1922 at site 1,000 feet upstream at different datum.

Drainage Area—155 square miles.

Records Available—May, 1917 to September, 1922, April, 1938 to September 30, 1944.

Maximum discharge during period 1917-1922, 1938-1944; 792 second feet June 9, 1922, from rating curve extended above 600 second feet. Gage height 4.05 feet, site and datum then in use.

Maximum Discharge—Year 1943; 408 second feet May 4. Gage height 2.47 feet.

Maximum Discharge—Year 1944; 461 second feet June 10. Gage height 2.38 feet.

Accuracy—Records considered excellent except those for periods of ice effect, November 10, 1942 to April 11, 1943, November 1, 1943 to April 17, 1944, which were computed on basis of 8 discharge measurements and weather records, and are fair.

Diversions for irrigation above station.

TOMICHI CREEK AT GUNNISON, COLORADO

Location—Water stage recorder in Sec. 11, T. 49 N., R. 1 W., $\frac{1}{2}$ mile upstream from mouth and 1 mile south of Gunnison on road to airport.

Drainage Area—1,020 square miles. Zero of gage 7,628.58 feet above mean sea level, datum of 1929.

Records Available—April 20, 1938 to September 30, 1944.

Maximum discharge during period 1938-1944; 1,530 second feet March 24, 1939, from rating curve extended above 1,000 second feet. Gage height 3.93 feet.

Maximum Discharge—Year 1943; 745 second feet May 5. Gage height 2.90 feet.

Maximum Discharge—Year 1944; 943 second feet May 17. Gage height 3.26 feet.

Accuracy—Records considered good. Stage-discharge relation affected by ice November 19-21, 25-27-28, November 30, 1942 to April 10, 1943, and December 7, 1943 to April 12, 1944, which were computed on basis of discharge measurements, and weather records, and are fair.

Diversions for irrigation above station.

QUARTZ CREEK NEAR OHIO, COLORADO

Location—Water stage recorder in SW $\frac{1}{4}$ Sec. 27, T. 50 N., R. 3 E., $\frac{1}{2}$ mile downstream from Willow Creek and 1 mile southwest of Ohio.

Drainage Area—101 square miles.

Records Available—April 29, 1938 to September 30, 1944.

Maximum discharge during period 1938-1944; 642 second feet May 26, 1942, from rating curve extended above 470 second feet. Gage height 2.90 feet.

Maximum Discharge—Year 1943; 542 second feet June 2, from rating curve extended above 470 second feet. Gage height 2.17 feet.

Maximum Discharge—Year 1944; 345 second feet June 9. Gage height 1.84 feet.

Accuracy—Records considered fair. During periods of ice effect, November 10, 1942 to March 31, 1943 and November 26, 1943 to April 1, 1944, records were computed on basis of discharge measurements and weather records.

Diversions for irrigation above station.

COCHETOPA CREEK NEAR PARLIN, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 28, T. 48 N., R. 2 E., at Timney Ranch, 1 mile downstream from Bead Creek and 8 miles southwest of Parlin.

Drainage Area—346 square miles. Zero of gage is 8,131.76 feet above mean sea level, datum of 1929.

Records Available—April 1, 1941 to September 30, 1944.

Maximum discharge during period 1941-1944; that of May 14, 1944.

Maximum Discharge—Year 1943; 114 second feet August 23. Gage height 2.31 feet.

Maximum Discharge—Year 1944; 594 second feet May 14. Gage height 5.02 feet.

Accuracy—Records considered good except those during periods of ice effect, November 6, 1942 to April 13, 1943 and November 8, 1943 to April 12, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Diversions for irrigation above station.

BEAVER CREEK AT HIERRO, COLORADO
(SOMETIMES KNOWN AS NORTH BEAVER CREEK)

Location—Staff gage in NW $\frac{1}{4}$ Sec. 24, T. 49 N., R. 2 W., at Welch Fountain Resort at Hierro, and 500 feet upstream from point of discharge into Gunnison River.

Drainage Area—35.7 square miles.

Records Available—April 10, 1942 to June 30, 1943. (Discontinued.)

Maximum discharge period 1942-1943; 157 second feet June 2, 1943. Gage height 2.80 feet.

Maximum Discharge—Year 1943; that of June 2, 1943.

Accuracy—Records considered fair. Gage read twice daily.

Diversions for irrigation above station.

STEUBEN CREEK AT ELKHORN, COLORADO

Location—Staff gage in NE $\frac{1}{4}$ Sec. 22, T. 49 N., R. 2 W., $\frac{1}{4}$ mile upstream from mouth and 0.3 mile north of Elkhorn.

Drainage Area—26.5 square miles. Zero of gage is 7,498.41 feet above mean sea level, adjustment of 1912.

Records Available—April 1, 1942 to June 30, 1943. (Discontinued.)

Maximum discharge during period 1942-1943; 86 second feet June 1, 1943. Gage height 1.50 feet.

Accuracy—Records considered fair. Gage read twice daily.

Diversions for irrigation above station.

CEBOLLA CREEK AT POWDERHORN, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ Sec. 29, T. 47 N., R. 2 W., 250 feet downstream from Powderhorn Creek and $\frac{1}{2}$ mile north of Powderhorn.

Drainage Area—334 square miles.

Records Available—April 21, 1938 to September 30, 1944.

Maximum discharge during period 1938-1944; that of May 16, 1944.

Maximum Discharge—Year 1943; 368 second feet May 3. Gage height 1.55 feet.

Maximum Discharge—Year 1944; 2,150 second feet May 16, from rating curve extended above 720 second feet. Gage height 3.00 feet.

Accuracy—Records considered excellent, except those for period November 12, 1942 to April 10, 1943, October 10-20, November 8-14, 28-30, 1943, which were computed on the basis of weather records, and are fair.

Diversions for irrigation above station.

LAKE FORK RIVER AT GATEVIEW, COLORADO

Location—Water stage recorder in Sec. 29, T. 47 N., R. 3 W., at Carr Ranch (Old Gateview postoffice) $\frac{1}{4}$ mile upstream from Indian Creek and approximately 15 miles upstream from mouth.

Drainage Area—324 square miles. Zero of gage is 7,828.66 feet above mean sea level, datum of 1929.

Records Available—April 24, 1938 to September 30, 1944.

Maximum discharge during period 1938-1944; 2,620 second feet June 21, 1938, from rating curve extended above 1,800 second feet. Gage height 5.00 feet.

Maximum Discharge—Year 1943; 1,440 second feet August 11. Gage height 2.47 feet.

Maximum Discharge—Year 1944; 2,100 second feet June 25, from rating curve extended above 1,640 second feet. Gage height 3.07 feet.

Accuracy—Records considered good except those for periods of no gage height records, October 1-26, 1943, which are fair.

Diversions for irrigation above station.

CIMARRON CREEK BELOW SQUAW CREEK AT
CIMARRON, COLORADO

Location—Water stage recorder in SW $\frac{1}{4}$ Sec. 5, T. 48 N., R. 6 W., 1,000 feet downstream from Squaw Creek and $\frac{1}{4}$ mile northeast of Cimarron.

Drainage Area—232 square miles.

Records Available—April, 1943 to September 30, 1944.

Maximum discharge during period 1943-1944; 1,290 second feet May 16, 1944, from rating curve extended above 738 second feet. Gage height 6.17 feet.

Maximum Discharge—Year 1943; 1,100 second feet June 2, from rating curve extended above 450 second feet. Gage height 6.10 feet.

Maximum Discharge—Year 1944; 1,290 second feet May 16, from rating curve extended above 738 second feet. Gage height 6.17 feet.

Accuracy—Records considered good except for period of ice effect, November 28, 1943 to March 27, 1944, which were computed on basis of 3 discharge measurements and weather records, and are fair.

Diversions for irrigation above station. During period April, 1943 to September, 1943, 28,300 acre feet were diverted above station to Uncompahgre River basin by Cimarron and Owl Creek ditches, and during period from April, 1944 to September, 1944, 23,100 acre feet were likewise diverted.

SMITH FORK NEAR CRAWFORD, COLORADO

Location—Water stage recorder in Sec. 24, T. 15 S., R. 91 W., just upstream from Second Creek, 6 miles northeast of Crawford.

Drainage Area—42.3 square miles. Altitude 7,200 feet above mean sea level (by barometer).

Records Available—February 7, 1941 to June 30, 1944. (Discontinued.)

Maximum discharge during period 1941-1944; 513 second feet May 13, 1941, from rating curve extended above 430 second feet. Gage height 3.80 feet.

Maximum Discharge—Year 1943; 354 second feet May 5. Gage height 3.33 feet.

Maximum Discharge—Year 1944; 507 second feet May 16. Gage height 3.67 feet.

Accuracy—Records considered fair. Those during period of ice effect, December 10, 1942 to March 28, 1943, and November 26, 1943 to April 18, 1944, computed on basis of discharge measurements and weather records.

There are a few small diversions for irrigation above station.

EAST MUDDY CREEK NEAR BARDINE, COLORADO

Location—Water stage recorder in Sec. 17, T. 12 S., R. 89 W., $\frac{1}{4}$ mile downstream from Spring Creek and $6\frac{1}{2}$ miles upstream from Bardine.

Drainage Area—136 square miles. Zero of gage is at 6,654.78 feet above mean sea level, datum of 1929.

Records Available—May 18, 1935 to September 30, 1944.

Maximum discharge during period 1935-1944; 2,190 second feet May 13, 1941, from rating curve extended above 320 second feet. Gage height 3.41 feet.

Maximum Discharge—Year 1943; 646 second feet April 30, from rating curve extended above 320 second feet. Gage height 1.77 feet.

Maximum Discharge—Year 1944; 1,440 second feet May 16, from rating curve extended above 1,000 second feet. Gage height 2.78 feet.

Accuracy—Records considered excellent except those for periods of ice effect, November 17, 21-24, 29, December 1, 1942 to March 29, 1943, November 7-11, November 26, 1943 to May 15, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Diversions for irrigation above station.

NORTH FORK OF GUNNISON RIVER NEAR SOMERSET, COLORADO

Location—Water stage recorder in Sec. 10, T. 13 S., R. 90 W., 2 miles east of Somerset.

Drainage Area—521 square miles. Zero of gage is 6,038.6 feet above mean sea level, datum of 1929.

Records Available—March 30, 1934 to September 30, 1944.

Maximum discharge during period 1934-1944; that of May 16, 1944.

Maximum Discharge—Year 1943; 3,060 second feet May 1. Gage height 4.55 feet.

Maximum Discharge—Year 1944; 5,830 second feet May 16, from rating curve extended above 4,150 second feet. Gage height 5.68 feet.

Accuracy—Records considered excellent except those for periods of ice effect, November 23-25, November 27 to December 5, December 8-11, 1942, January 15-20, 25-27, 31, February 1-2, 1943 and December 28, 1943 to January 2, 1944, which were computed on basis of weather records, and are fair.

Diversions for irrigation above station.

ANTHRACITE CREEK NEAR FLORESTA, COLORADO

Location—Water stage recorder in Sec. 6, T. 14 S., R. 87 W., at Horse Ranch, 1 mile downstream from Bracken Creek, 2 miles northwest of old Floresta and 9 miles west of Crested Butte.

Drainage Area—17.5 square miles.

Records Available—May 17, 1941 to September 30, 1943. (Discontinued.)

Maximum discharge during period 1941-1943; 527 second feet May 26, 1942, from rating curve extended above 290 second feet. Gage height 4.62 feet.

Maximum Discharge—Year 1943; 491 second feet June 2, from rating curve extended above 290 second feet. Gage height 4.41 feet.

Accuracy—Records considered good except those during period of missing gage heights, March 5 to April 15, 1943.

One small transmountain diversion to Coal Creek above station.

MINNESOTA CREEK NEAR, PAONIA, COLORADO

Location—Water stage recorder in Sec. 1, T. 14 S., R. 91 W., $\frac{1}{2}$ mile downstream from East Fork and $4\frac{1}{2}$ miles east of Paonia.

Drainage Area—41.3 square miles.

Records Available—October 1, 1941 to September 30, 1944.

Maximum discharge during period 1941-1944; 270 second feet May 22, 1942, from rating curve extended above 150 second feet. Gage height 3.70 feet.

Maximum Discharge—Year 1943; 119 second feet May 6. Gage height 2.61 feet.

Maximum Discharge—Year 1944; 199 second feet May 24. Gage height 2.76 feet.

Several small diversions for irrigation and storage above station. One small diversion from Little Gunnison Creek.

EAST FORK OF MINNESOTA CREEK NEAR PAONIA, COLORADO

Location—Water stage recorder in Sec. 21, T. 14 S., R. 90 W., $\frac{1}{2}$ mile upstream from Horse Creek and 8 miles southeast of Paonia.

Drainage Area—6.6 square miles.

Records Available—October 1, 1941 to September 30, 1943. (Discontinued.)

Maximum discharge during period 1941-1943; 144 second feet May 22, 1942, from rating curve extended above 50 second feet. Gage height 2.68 feet.

Maximum Discharge—Year 1943; 55 second feet May 5. Gage height 2.25 feet.

Accuracy—Records considered fair.

No diversions above station.

LEROUX CREEK NEAR CEDAREDGE, COLORADO

Location—Water stage recorder in Sec. 16, T. 13 S., R. 93 W., 200 feet upstream from headgate of Overland ditch and 7.2 miles northeast of Cedaredge.

Drainage Area—43.0 square miles.

Records Available—October, 1936 to September 30, 1944.

Maximum discharge during period 1936-1944; 1,310 second feet May 26, 1942, from rating curve extended above 650 second feet. Gage height 4.95 feet.

Maximum Discharge—Year 1943; 808 second feet May 2. Gage height 4.02 feet.

Maximum Discharge—Year 1944; 860 second feet May 31. Gage height 4.40 feet.

Accuracy—Records considered excellent above 30 second feet, except those for period of ice effect, November 2-4, 9-11, 1943, and those during period of no gage height record, August 13-18, 1944; which are fair.

One small diversion and several small reservoirs above station.

LEROUX CREEK NEAR HOTCHKISS, COLORADO

Location—Water stage recorder in Sec. 22, T. 14 S., R. 93 W., about 400 feet downstream from Peterson, Carr and Barrow ditch diversion, $3\frac{1}{2}$ miles upstream from mouth and $3\frac{1}{2}$ miles northwest of Hotchkiss.

Drainage Area—64 square miles.

Records Available—April 5, 1942 to September 30, 1943. (Discontinued.)

Maximum discharge during period 1942-1943; 534 second feet May 26, 1942, from rating curve extended above 300 second feet. Gage height 5.06 feet.

Maximum Discharge—Year 1943; 336 second feet April 30. Gage height 3.74 feet.

Accuracy—Records considered poor.

Many diversions for irrigation above station.

SURFACE CREEK NEAR CEDAREGE, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 12, T. 12 S., R. 94 W., $\frac{1}{2}$ mile east of highway at Buzzard Ranch, 1 mile downstream from Caesar Creek, and $8\frac{1}{2}$ miles northeast of Cedaredge.

Drainage Area—28.5 square miles.

Records Available—June 20, 1939 to September 30, 1944.

Maximum discharge during period 1939-1944; 578 second feet May 12, 1941, from rating curve extended above 300 second feet. Gage height 3.62 feet.

Maximum Discharge—Year 1943; 248 second feet April 30. Gage height 2.54 feet.

Maximum Discharge—Year 1944; 490 second feet May 23. Gage height 3.45 feet.

Accuracy—Records considered excellent except those for period of no gage height record, October 29-31, 1942, October 27 to November 11, 1943, which were computed on basis of 1 discharge measurement and comparison with nearby stations, and are fair.

Diversions for storage above station.

SURFACE CREEK AT CEDAREGE, COLORADO

Location—Water stage recorder and concrete control in Sec. 20, T. 13 S., R. 94 W., at Cedaredge.

Drainage Area—43 square miles.

Records Available—May 16, 1917 to September 30, 1944.

Maximum discharge during period 1917-1944; 1,190 second feet May 13, 1941, from rating curve extended above 640 second feet. Gage height 2.50 feet.

Maximum Discharge—Year 1943; 210 second feet June 2. Gage height 1.24 feet.

Maximum Discharge—Year 1944; 622 second feet May 16. Gage height 1.85 feet.

Accuracy—Records considered good above 30 second feet and fair below. Periods of ice effect, December 6, 1942 to February 26, 1943 and November 2, 1943 to March 25, 1944, which were computed on basis of two and three discharge measurements respectively, and weather records, and are fair.

Diversions for storage and irrigation above station. Flow regulated by numerous reservoirs. Water is diverted into Surface Creek Basin from adjacent streams.

SURFACE CREEK AT ECKERT, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ Sec. 14, T. 14 S., R. 95 W., at Ferguson Ranch $\frac{1}{2}$ mile southwest of Eckert.

Drainage Area—55.2 square miles.

Records Available—April 1, 1942 to September 30, 1944.

Maximum discharge during period 1942-1944; that of May 15, 1944.

Maximum Discharge—Year 1943; 156 second feet June 2. Gage height 2.70 feet.

Maximum Discharge—Year 1944; 466 second feet May 15, from rating curve extended above 150 second feet. Gage height 4.06 feet.

Accuracy—Records considered fair.

Diversions for irrigation and storage above station.

KISER CREEK BELOW EGGLESTON RESERVOIR AT GRAND MESA, COLORADO

Location—Water stage recorder in Sec. 6, T. 12 S., R. 94 W., $\frac{1}{2}$ mile downstream from Eggleston Reservoir outlet, and 1 mile southeast of Grand Mesa on Colorado Highway No. 65, about 400 feet downstream from Forest Service sign, "Saddle Horse for Rent."

Drainage Area—1.7 square miles.

Records Available—October 1, 1941 to September 30, 1943. (Discontinued.)

Maximum discharge during period 1941-1943; 42 second feet August 26, 1942. Gage height 1.28 feet.

Maximum Discharge—Year 1943; 24 second feet September 15. Gage height 1.02 feet.

Accuracy—Records considered poor. Flow regulated by Eggleston Reservoir, capacity 2,550 acre feet, and Barren Reservoir, capacity 1,010 acre feet.

KISER CREEK NEAR CEDAREDDGE, COLORADO

Location—Staff gage in SE $\frac{1}{4}$ Sec. 12, T. 13 S., R. 95 W., at States (Top) coal mine, 400 feet upstream from mouth of Cottonwood Creek and 3 miles northwest of Cedaredge.

Drainage Area—12.9 square miles.

Records Available—April 1, 1942 to September 30, 1944.

Maximum discharge during period, that of June 16, 1944.

Maximum Discharge—Year 1943; 7.0 second feet August 6. Gage height 4.70 feet.

Maximum Discharge—Year 1944; 51 second feet June 16. Gage height 6.44 feet.

Accuracy—Records considered fair. Gage read twice daily.

Many small diversions for irrigation and storage above station.

WEST WARD CREEK BELOW ISLAND LAKE RESERVOIR
NEAR GRAND MESA, COLORADO

Location—Water stage recorder and Parshall flume in Sec. 3, T. 12 S., R. 95 W., 300 feet downstream from Island Lake Reservoir outlet and 2 $\frac{1}{2}$ miles southwest of Grand Mesa.

Drainage Area—About 1 square mile.

Records Available—June to September 30, 1943 (Discontinued).

Maximum discharge during period, 11 second feet July 15. Gage height 1.09 feet.

Accuracy—Records considered fair.

Flow regulated by Island Lake Reservoir, capacity 1,125 acre feet.

WARD CREEK NEAR CEDAREDDGE, COLORADO

Location—Staff gage in NE $\frac{1}{4}$ Sec. 14, T. 13 S., R. 95 W., 100 feet downstream from Sandstone Ditch diversion and 3 $\frac{1}{2}$ miles northwest of Cedaredge.

Drainage Area—19.0 square miles.

Records Available—April 1, 1942 to September 30, 1944.

Maximum discharge during period 1942-1944; 90 second feet April 12, 1942, from rating curve extended above 30 second feet. Gage height 2.10 feet.

Maximum Discharge—Year 1943; 13 second feet April 6. Gage height 0.96 feet.

Maximum Discharge—Year 1944; 80 second feet May 16, from rating curve extended above 50 second feet. Gage height 1.60 feet.

Accuracy—Records considered fair. Gage read twice daily.

Many small diversions for irrigation and storage above station.

WARD CREEK BELOW DEEP SLOUGH RESERVOIR,
NEAR GRAND MESA, COLORADO

Location—Water stage recorder in Sec. 2, T. 12 S., R. 95 W., 150 feet downstream from Deep Slough reservoir outlet and $1\frac{1}{2}$ miles southwest of Grand Mesa.

Drainage Area—Less than 2 square miles.

Records Available—October, 1941 to September 30, 1943.
(Discontinued).

Maximum discharge during period 1941-1943; 20 second feet July 29 to August 4, 1942, Gage height 1.29 feet.

Maximum Discharge—Year 1943; 17 second feet April 17, 18. Gage height 1.15 feet.

Accuracy—Records considered fair. Flow controlled by Deep Slough Reservoir, capacity 500 acre feet.

COTTONWOOD CREEK NEAR CEDAREDGE, COLORADO

Location—Staff gage in SE $\frac{1}{4}$ Sec. 6, T. 13 S., R. 95 W., 400 feet upstream from mouth, at States coal mine and 3 miles northwest of Cedaredge.

Drainage Area—5.0 square miles.

Records Available—April 1, 1942 to September 30, 1944.

Maximum discharge during period; 44 second feet May 26, 1942. Gage height 5.76 feet.

Maximum Discharge—Year 1943; 34 second feet August 7. Gage height 5.50 feet.

Maximum Discharge—Year 1944; 38 second feet May 15. Gage height 5.54 feet.

Accuracy—Records considered poor. Staff gage read twice daily.

Many small diversions for storage and irrigation above station.

YOUNGS CREEK NEAR CEDAREDGE, COLORADO

Location—Staff gage in SW $\frac{1}{4}$ Sec. 18, T. 13 S., R. 94 W., $\frac{3}{8}$ mile upstream from mouth, at K. F. Brandt Ranch, and 2 miles northwest of Cedaredge.

Drainage Area—19 square miles.

Records Available—April 1, 1942 to September 30, 1944.

Maximum discharge observed during period 1942-1944; that of May 15, 1944.

Maximum Discharge—Year 1943; 7.6 second feet June 2. Gage height 4.60 feet.

Maximum Discharge—Year 1944; 83 second feet May 15. Gage height 6.20 feet.

Accuracy—Records considered poor.

Diversions for irrigation above station and flow regulated by several small reservoirs.

UNCOMPAHGRE RIVER AT COLONA, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 17, T. 47 N., R. 8 W., $\frac{1}{4}$ mile east of Colona at county bridge.

Drainage Area—437 square miles. Zero of gage is 6,321.80 feet above mean sea level, adjustment of 1929.

Records Available—April, 1917 to September 30, 1944. From 1917 to November, 1934, at site three miles upstream. Records practically equivalent.

Maximum discharge during period 1917-1944; 4,080 second feet June 13, 14, 1921.

Maximum Discharge—Year 1943; 1,400 second feet August 17. Gage height 2.50 feet.

Maximum Discharge—Year 1944; 2,240 second feet June 21 Gage height 3.82 feet.

Accuracy—Records considered good except those for periods of ice effect, January 5-14, 19-22, 1943 and January 5-24, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Diversions for irrigation above station.

UNCOMPAHGRE RIVER AT DELTA, COLORADO

Location—Chain gage in SW $\frac{1}{4}$ Sec. 13, T. 15 S., R. 96 W., at west edge of Delta, $1\frac{1}{4}$ miles upstream from mouth. Prior to May 5, 1941, water stage recorder at site 80 feet downstream at same datum. Flood destroyed same.

Drainage Area—1,110 square miles. Zero of gage is 4,929.92 feet above mean sea level, adjustment of 1929.

Records Available—April, 1903 to November, 1908, April, 1911 to 1913, 1915 to 1931, September 1, 1938 to September 30, 1944.

Maximum discharge during period 1903-1931, 1938-1944; 3,730 second feet May 5, 1941, from rating curve extended above 1,900 second feet. Gage height 5.90 feet.

Maximum Discharge—Year 1943; 2,330 second feet August 19. Gage height 4.64 feet.

Maximum Discharge—Year 1944; 3,070 second feet May 16. Gage height 5.10 feet.

Accuracy—Records considered fair. Chain gage read twice daily since May 9, 1941.

Diversions for irrigation above station.

ROUBIEDEAU CREEK AT MOUTH NEAR DELTA, COLORADO

Location—Water stage recorder in Sec. 19, T. 15 S., R. 96 W., $\frac{1}{2}$ mile upstream from mouth and 5 miles west of Delta.

Drainage Area—245 square miles. Zero of gage is 4,869.20 feet above mean sea level, datum of 1929.

Records Available—March 23, 1939 to September 30, 1944.

Maximum discharge during period 1939-1944; 2,180 second feet May 13, 1941, from rating curve extended above 1,200 second feet. Gage height 6.40 feet.

Maximum Discharge—Year 1943; 1,060 second feet August 17. Gage height 4.34 feet.

Maximum Discharge—Year 1944; 1,820 second feet May 15. gage height 6.04 feet.

Accuracy—Records considered excellent above 100 second feet, good below, except those for periods of ice effect, January 5-11, 20-21, 1943, January 8-13, 1944, which were computed on basis of 1 discharge measurement and weather records, and are fair.

Diversions for irrigation above station. Part of discharge represents return flow from irrigated lands under lower Ironstone Canal.

KANNAH CREEK NEAR WHITEWATER, COLORADO

Location—Water stage recorder and concrete control in Sec. 34, T. 12 S., R. 97 W., $\frac{1}{4}$ mile downstream from intake of pipeline for Grand Junction water supply and 17 miles east of Whitewater. Prior to October 14, 1935, station located at site 300 feet upstream.

Drainage Area—55.0 square miles.

Records Available—October 15, 1917 to September 30, 1921; August 17, 1922 to September 30, 1944. Flow diverted by pipeline not included in records since 1930. Maximum discharges only are for combined flow of stream and pipeline.

Maximum discharge during period 1917-1921, 1922-1944; 1,630 second feet June 6, 1921, from rating curve extended above 700 second feet. Gage height 4.50 feet, site and datum then in use.

Maximum Discharge—Year 1943; 569 second feet April 30.

Maximum Discharge—Year 1944; 757 second feet June 9.

Accuracy—Records considered good above 10 second feet and fair below.

Diversions for storage and domestic use above station. Flow regulated by small reservoirs above station.

Diversions above Station by Grand Junction
Water Works and Raber Ditch

Water Year 1942-1943		Water Year 1943-1944	
Month	Acre Feet	Month	Acre Feet
October	371	October	410
November	286	November	307
December	240	December	284
January	247	January	262
February	253	February	262
March	284	March	284
April	530	April	440
May	570	May	661
June	500	June	715
July	530	July	585
August	460	August	589
September	496	September	519

DOLORES RIVER AT DOLORES, COLORADO

Location—Water stage recorder in Sec. 9, T. 37 N., R. 15 W., at Dolores, 200 feet upstream from highway bridge and $\frac{1}{4}$ mile upstream from Lost Canyon Creek.

Drainage Area—556 square miles. Zero of gage is 6,924.91 feet above mean sea level, datum of 1929.

Records Available—June, 1895 to October, 1903; November, 1910 to November, 1912; April, 1922 to September 30, 1944. Prior to December 6, 1912, station maintained just downstream from Lost Canyon Creek.

Maximum discharge during period 1890-1903, 1910-1912, 1922-1944; 10,000 second feet October 5, 1911, from rating curve extended above 2,800 second feet. Gage height 10.20 feet, former site and datum.

Maximum Discharge—Year 1943; 3,980 second feet, May 4. Gage height 5.84 feet.

Maximum Discharge—Year 1944; 5,670 second feet, May 16. Gage height 6.90 feet.

Accuracy—Records considered good except those for periods of missing gage heights, November 12-23, 1942 and of ice effect, December 6, 1942 to March 18, 1943, December 8, 1943 to March 16, 30-31, 1944, which were computed on basis of discharge measurements, records of diversions, weather records, and comparison with record at McPhee, and are fair.

Diversions for irrigation above station.

DOLORES RIVER NEAR McPHEE, COLORADO

Location—Water stage recorder in NE $\frac{1}{4}$ Sec. 12, T. 38 N., R. 16 W., 0.8 mile downstream from Beaver Creek and $4\frac{1}{2}$ miles northwest of McPhee.

Drainage Area—793 square miles. Zero of gage is 6,666.45 feet above mean sea level, unadjusted.

Records Available—October 1, 1938 to September 30, 1944.

Maximum discharge during period 1938-1944; 8,650 second feet, October 13, 1942, from rating curve extended above 5,900 second feet. Gage height 7.58 feet.

Maximum Discharge—Year 1943; 4,060 second feet, April 6. Gage height 5.28 feet.

Maximum Discharge—Year 1944; 7,540 second feet, May 16. Gage height 7.07 feet.

Accuracy—Records considered good except those for periods of ice effect, December 18, 1942 to March 18, 21-22, 1943, and December 17, 1943 to March 16, 28, 29, 1944, which were computed on basis of three and five discharge measurements each, weather records, and comparison with upper station, and are fair.

Diversions for irrigation above station, and three small diversions below station. Montezuma Irrigation District diverts water from basin for irrigation and storage just downstream from station at Dolores.

DOLORES RIVER AT GATEWAY, COLORADO

Location—Water stage recorder in SW $\frac{1}{4}$ Sec. 15, T. 51 N., R. 19 W., 0.3 mile northwest of Gateway, 0.3 mile downstream from West Creek, and 8 miles upstream from Colorado-Utah State line.

Drainage Area—4,350 square miles. Zero of gage is 4,547.44 feet above mean sea level, unadjusted.

Records Available—March, 1937 to September 30, 1944.

Maximum discharge during period 1937-1944; 15,400 second feet, May 14, 1941, from rating curve extended above 11,000 second feet. Gage height 12.85 feet.

Maximum Discharge—Year 1943; 6,190 second feet, April 7. Gage height 6.56 feet.

Maximum Discharge—Year 1944; 12,300 second feet, May 16. Gage height 9.64 feet.

Accuracy—Records considered good.

Diversions for irrigation above and below station.

WEST FORK DOLORES RIVER AT DUNTON, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 5, T. 40 N., R. 11 W., 1.3 miles southwest of Dunton.

Drainage Area—39.4 square miles.

Records Available—June 4, 1941 to December 3, 1943 (Discontinued).

Maximum discharge during period 1941-1943; 705 second feet, May 26, 1942, from rating curve extended above 270 second feet. Gage height 3.20 feet.

Maximum Discharge—Year 1943; 325 second feet, April 30. Gage height 2.52 feet.

Accuracy—Records considered poor.

Diversions for irrigation above station.

WEST FORK OF DOLORES RIVER NEAR STONER, COLORADO

Location—Water stage recorder in NE $\frac{1}{4}$ Sec. 18, T. 39 N., R. 13 W., $\frac{3}{4}$ mile downstream from Cottonwood Creek, 4 miles north of Stoner and $4\frac{1}{2}$ miles upstream from mouth.

Drainage Area—160 square miles.

Records Available—March 18, 1941 to September 30, 1944 (Discontinued).

Maximum discharge during period 1941-1944; 2,790 second feet, May 13, 1941, from rating curve extended above 1,200 second feet. Gage height 4.25 feet.

Maximum Discharge—Year 1943; 1,120 second feet, May 4. Gage height 3.29 feet.

Maximum Discharge—Year 1944; 2,120 second feet, May 15. Gage height 4.25 feet.

Accuracy—Records considered fair.

Diversions for storage and irrigation above station. Flow regulated by Ground Hog Reservoir, capacity 21,710 acre feet.

DISAPPOINTMENT CREEK AT UPPER STATION NEAR CEDAR, COLORADO

Location—Staff gage in Sec. 33, T. 42 N., R. 14 W., 2 miles downstream from Morrison Creek and $14\frac{1}{2}$ miles southeast of Cedar.

Drainage Area—69 square miles.

Records Available—October, 1940 to May 15, 1944 (Discontinued).

Maximum discharge during period 1940-1944; 646 second feet, April 12, 22, 1942, from rating curve extended above 150 second feet. Gage height 4.52 feet.

Maximum Discharge—Year 1943; 308 second feet, May 8, from rating table extended above 150 second feet. Gage height 3.62 feet.

Maximum Discharge—Year 1944; 308 second feet, May 15, from rating curve extended above 150 second feet. Gage height 3.60 feet.

Accuracy—Records considered poor. Staff gage read twice daily.

Diversions for irrigation above station.

DISAPPOINTMENT CREEK NEAR CEDAR, COLORADO

Location—Staff gage in Sec. 16, T. 42 N., R. 16 W., at highway bridge $2\frac{1}{2}$ miles southeast of Cedar, and 3 miles upstream from Dawson Draw.

Drainage Area—180 square miles.

Records Available—October 30, 1940 to June 30, 1944 (Discontinued).

Maximum discharge during period 1940-1944; 1,270 second feet, September 26, 1941, by computation of flow over dam. Gage height 7.26 feet.

Maximum Discharge—Year 1943; 345 second feet, July 22. Gage height 4.16 feet.

Maximum Discharge—Year 1944; 620 second feet, April 28. Gage height 4.40 feet.

Accuracy—Records considered poor. Staff gage read twice daily.

Diversions for irrigation above station.

SAN MIGUEL RIVER NEAR PLACERVILLE, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ Sec. 30, T. 44 N., R. 11 W., 100 feet downstream from Specie Creek and 3 miles northwest of Placerville.

Drainage Area—308 square miles.

Records Available—January to September, 1909 at Saltado Ranch 3 miles downstream, October, 1909 to November, 1912 at site $2\frac{1}{2}$ miles upstream, April, 1930 to September, 1934 above Specie Creek, and March, 1942 to September 30, 1944.

Maximum discharge during period 10,000 second feet, September 5, 1909. (Trout and Park Lake dam failures.)

Maximum Discharge—Year 1943; 900 second feet, June 23. Gage height 2.70 feet.

Maximum Discharge—Year 1944; 3,060 second feet, May 14, from rating curve extended above 1,090 second feet. Gage height 5.10 feet.

Accuracy—Records considered fair.

Many small diversions for irrigation above station. Flow slightly regulated by reservoirs of Western Colorado Power Company, Lake Hope and Trout Lake, combined capacity of 5,040 acre feet, which release flow during winter.

SAN MIGUEL RIVER AT NATURITA, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 19, T. 46 N., R. 15 W., at highway bridge in Naturita, 1.2 miles downstream from Naturita Creek.

Drainage Area—1,080 square miles. Zero of gage is 5,392.85 feet above mean sea level, datum of 1929.

Records Available—October, 1917 to September, 1929; October, 1940 to September 30, 1944.

Maximum discharge during period 1917-1929, 1940-1944; 7,100 second feet, April 15, 1942, from rating curve extended above 3,800 second feet. Gage height 9.80 feet.

Maximum Discharge—Year 1943; 5,090 second feet, August 24, from rating curve extended above 3,800 second feet. Gage height 8.09 feet.

Maximum Discharge—Year 1944; 5,910 second feet, May 13, from rating curve extended above 3,800 second feet. Gage height 8.84 feet.

Accuracy—Records considered good except those for periods of ice effect, October 25, 1942 to November 23, December 25 to January 3, 1943, January 10-22, February 22 to March 18, 1943, and January 3 to February 13, 1944 and period of missing gage heights, April 8-30, and June 26 to July 25, 1944, computed on basis of discharge measurements, weather records, and comparison with upper station records.

Diversions for irrigation above station.

FALL CREEK NEAR FALL CREEK, COLORADO

Location—Water stage recorder in Sec. 24, T. 43 N., R. 11 W., 2.7 miles upstream from mouth and 2.8 miles south of Fall Creek.

Drainage Area—33.5 square miles.

Records Available—October, 1942 to September 30, 1944.

Maximum discharge during period, that of May 14, 1944.

Maximum Discharge—Year 1943; 468 second feet, August 28, from rating curve extended above 280 second feet. Gage height 1.57 feet.

Maximum Discharge—Year 1944; 476 second feet, May 14, from rating curve extended above 150 second feet. Gage height 2.36 feet.

Accuracy—Records considered poor.

No diversions or regulations above station.

BEAVER CREEK NEAR NORWOOD, COLORADO

Location—Water state recorder in S½ Sec. 3, T. 42 N., R. 12 W., 500 feet upstream from Goat Creek and 16 miles southeast of Norwood.

Drainage Area—33.5 square miles.

Records Available—October, 1942 to September 30, 1944.

Maximum discharge during period 1942-1944; that of May 23, 1944.

Maximum Discharge—Year 1943; 278 second feet, April 30. Gage height 2.16 feet.

Maximum Discharge—Year 1944; 576 second feet, May 23, from rating curve extended above 365 second feet. Gage height 2.76 feet.

Accuracy—Records considered fair.

One large diversion for irrigation above station.

COTTONWOOD CREEK NEAR NUCLA, COLORADO

Location—Water stage recorder in Sec. 1, T. 46 N., R. 14 W., $\frac{1}{2}$ mile upstream from North Fork and 10 miles east of Nucla.

Drainage Area—43 square miles.

Records Available—May 6, 1942 to September 30, 1944.

Maximum discharge during period 1942-1944; that of May 12, 1944.

Maximum Discharge—Year 1943; 167 second feet, April 15, from rating curve extended above 40 second feet. Gage height 2.78 feet.

Maximum Discharge—Year 1944; 244 second feet, May 12, from rating curve extended above 76 second feet. Gage height 4.18 feet.

Accuracy—Records considered fair.

Several small diversions for irrigation above station.

NATURITA CREEK NEAR NORWOOD, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ Sec. 20, T. 43 N., R. 13 W., 500 feet below confluence of east and middle forks at Miramonte dam site, and 11 miles south of Norwood.

Drainage Area—27.7 square miles.

Records Available—October 1, 1942 to September 30, 1944.

Maximum discharge during period 1942-1944; that of May 16, 1944.

Maximum Discharge—Year 1943; 312 second feet, August 15, from rating curve extended above 63 second feet. Gage height 3.20 feet.

Maximum Discharge—Year 1944; 337 second feet, May 16, from rating curve extended above 196 second feet. Gage height 3.36 feet.

Accuracy—Records considered fair.

Diversions for irrigation above station.

Discharge of Colorado River Near Grand Lake, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	17	18	16	14	15	16	28	271	416	221	19	22
2....	17	19	17	14	14	15	32	294	511	180	20	21
3....	17	22	17	14	14	13	36	313	436	148	18	20
4....	17	21	16	13	14	14	40	305	348	122	17	20
5....	16	19	15	12	14	15	46	276	324	112	17	19
6....	17	18	15	14	15	13	54	240	308	88	19	20
7....	17	19	15	14	15	14	60	209	336	74	28	19
8....	17	19	15	14	15	15	66	184	357	73	30	19
9....	17	20	16	14	16	16	68	158	378	81	39	18
10....	17	18	16	14	16	14	72	152	360	66	31	19
11....	17	18	16	14	16	15	72	146	310	57	41	17
12....	17	19	15	14	15	16	68	148	294	50	43	16
13....	18	16	14	13	15	16	64	154	284	45	36	16
14....	21	17	14	15	15	16	66	150	260	42	30	17
15....	20	19	13	15	15	15	74	154	248	39	28	16
16....	20	18	13	14	15	*15	80	144	236	35	28	16
17....	21	18	13	14	14	15	100	126	224	33	30	17
18....	21	*17	14	13	14	15	115	124	236	28	28	18
19....	20	17	14	12	*13	14	138	128	236	25	34	19
20....	19	16	14	13	16	14	171	126	266	22	30	19
21....	19	16	15	14	15	13	184	118	292	20	26	17
22....	19	16	15	14	15	14	180	114	289	24	25	16
23....	21	16	16	*14	16	15	169	122	292	23	26	16
24....	21	16	16	14	16	15	182	146	276	20	26	16
25....	21	15	16	14	16	16	189	154	266	19	38	16
26....	21	13	15	13	15	16	191	156	255	19	31	15
27....	21	13	15	14	15	17	173	158	245	18	26	15
28....	19	14	15	15	15	18	154	216	224	17	24	15
29....	19	13	16	15	....	19	191	281	216	17	22	16
30....	19	14	16	15	....	21	224	378	286	18	22	18
31....	21	....	15	15	....	24	....	354	....	19	22	....
Total	554	514	468	431	419	484	3287	5999	9009	1755	854	528
Mean.	18.8	17.1	15.1	13.9	15.0	15.6	110	194	300	56.6	27.5	17.6
Max..	21	22	17	15	16	24	224	378	511	221	43	22
Min..	16	13	13	12	13	13	28	114	216	17	17	15
Acre-ft.	1160	1020	928	855	831	960	6520	11900	17870	3480	1690	1050

Total run-off for period=48,260 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Colorado River Near Grand Lake, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	20	35	14	10	10	11	13	109	340	179	16	18
2....	20	25	14	10	10	11	13	114	331	179	15	18
3....	20	25	14	9.8	11	11	15	140	325	212	14	20
4....	20	26	14	10	11	11	16	128	284	203	13	21
5....	20	27	15	9.8	11	11	18	131	282	179	16	21
6....	20	24	15	9.8	11	11	20	193	251	160	15	21
7....	20	20	16	10	11	11	23	210	290	136	15	21
8....	20	19	16	10	11	11	26	222	290	109	15	19
9....	21	20	16	10	11	11	28	235	296	104	15	19
10....	21	22	16	9.8	*11	11	27	248	346	93	15	19
11....	20	25	16	9.8	11	11	27	235	367	87	14	17
12....	26	29	15	9.6	11	11	33	225	349	68	15	16
13....	29	31	15	*9.6	11	11	36	243	313	60	16	15
14....	33	31	15	9.8	11	11	32	273	310	51	15	15
15....	33	*32	15	9.8	11	11	30	293	298	44	15	15
16....	31	28	*15	9.6	11	*11	27	276	322	42	16	15
17....	32	25	15	9.4	10	11	24	279	322	35	15	15
18....	32	26	15	9.4	10	11	24	245	290	27	14	15
19....	33	27	15	9.4	10	11	26	254	298	30	12	14
20....	34	25	15	9.6	10	11	25	262	322	48	11	13
21....	32	22	15	9.7	10	12	26	256	316	51	10	13
22....	33	22	15	9.8	10	12	25	243	316	36	10	13
23....	29	22	15	10	11	12	25	270	284	32	10	12
24....	36	22	14	10	11	12	32	296	284	32	10	12
25....	31	22	13	10	11	12	45	287	287	41	12	12
26....	33	19	13	10	11	12	48	273	259	30	15	12
27....	34	15	12	10	11	12	57	248	227	25	14	12
28....	34	14	11	10	11	12	64	254	193	22	13	11
29....	35	13	10	10	11	13	114	285	205	20	14	11
30....	38	13	10	10	....	13	82	296	191	20	15	11
31....	37	....	10	10	....	13	....	328	....	19	16	....
Total	877	706	439	304.9	311	355	1001	7331	8788	2374	431	466
Mean.	28.3	23.5	14.2	9.83	10.7	11.5	33.4	236	293	76.6	13.9	15.5
Max..	38	35	16	10	11	13	114	328	367	212	16	21
Min..	20	13	10	9.4	10	11	13	109	191	19	10	11
Acre-ft.	1740	1400	871	604	617	704	1990	14540	17430	4710	855	924

Total run-off for period=46,380 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Colorado River Near Granby, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	46	56	52	46	*39	31	80	806	1480	1470	227	136
2....	46	60	54	45	37	30	90	1050	1700	1230	239	124
3....	45	60	54	46	*37	27	110	1210	1600	1040	231	118
4....	45	56	52	42	36	30	110	1220	1240	934	223	108
5....	43	45	50	40	37	31	120	1080	1070	846	215	102
6....	43	*41	50	44	38	27	140	934	1020	782	215	98
7....	43	46	52	43	40	29	150	758	1110	734	227	92
8....	43	45	*58	42	41	31	160	640	1320	726	235	86
9....	43	52	60	40	41	35	160	534	1550	696	235	83
10....	43	37	60	39	40	39	160	486	1720	647	219	81
11....	43	40	56	38	*39	42	150	468	1600	591	215	79
12....	43	*44	*49	*38	*38	*42	159	480	1430	540	212	75
13....	43	*43	45	*37	37	*42	176	492	1310	510	194	72
14....	48	45	46	39	35	42	212	510	1260	462	176	70
15....	48	50	47	40	33	43	264	528	1200	400	159	68
16....	52	50	*40	41	32	*33	291	498	1100	390	162	66
17....	54	50	41	40	31	37	291	440	1060	380	180	66
18....	50	*52	*43	36	*31	38	300	415	1260	360	180	70
19....	52	49	44	34	*33	38	315	420	1440	335	184	75
20....	50	50	46	32	37	39	370	405	1540	310	173	75
21....	46	50	46	31	37	39	385	385	1700	300	152	68
22....	46	49	46	32	36	*40	410	380	1760	320	145	66
23....	54	50	54	*33	*37	41	405	420	1800	340	142	64
24....	56	45	52	35	37	42	445	466	1720	310	142	64
25....	56	35	50	*34	37	42	492	516	1610	286	198	64
26....	56	32	49	32	*33	43	522	558	1620	260	201	62
27....	54	39	48	34	30	*45	498	591	1660	239	184	62
28....	54	35	49	36	30	47	450	838	1540	231	166	60
29....	56	34	52	38	....	50	516	1260	1450	231	148	62
30....	56	45	54	40	....	60	605	1730	1610	231	145	72
31....	58	....	50	40	....	70	....	1590	....	239	145	....
Total	1515	1385	1549	1187	1009	1225	8536	22110	43480	16370	5869	2388
Mean.	48.9	46.2	50.0	38.3	36.0	39.5	285	713	1449	528	189	79.6
Max..	58	60	60	46	41	70	605	1730	1800	1470	239	136
Min..	43	32	40	31	30	27	80	380	1020	231	142	60
Acre-ft.	3000	2750	3070	2350	2000	2430	16930	43850	86240	32470	11640	4740

Total run-off for period=211,500 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Colorado River Near Granby, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	71	66	44	28	31	*28	42	92	1600	1130	173	62
2....	69	64	46	28	33	30	44	90	1500	1050	170	59
3....	69	60	46	*29	32	31	46	75	1390	1050	166	57
4....	66	60	46	*31	32	32	48	66	1190	997	173	57
5....	64	62	48	29	33	32	52	87	1020	961	152	55
6....	62	57	50	28	32	32	58	135	872	898	152	50
7....	60	45	50	30	29	*32	64	194	1020	808	148	48
8....	59	45	50	30	29	33	68	204	1150	776	142	47
9....	57	50	48	28	29	*34	64	208	1290	657	138	45
10....	57	56	*47	27	*31	35	58	235	1660	622	135	44
11....	55	*62	43	26	29	34	62	235	1860	594	128	44
12....	60	66	38	26	26	34	74	223	1720	544	125	41
13....	61	68	39	26	27	35	90	286	1590	466	115	41
14....	66	64	42	*26	28	35	74	406	1540	442	112	41
15....	66	60	36	27	29	35	60	622	1510	395	109	39
16....	64	62	*34	27	29	*36	50	864	1640	370	112	39
17....	62	55	35	*26	*28	36	46	1100	1620	340	104	39
18....	62	57	36	*25	25	35	52	898	1460	315	98	37
19....	64	59	38	26	24	34	64	720	1500	310	92	37
20....	69	57	42	27	24	34	64	636	1740	360	95	35
21....	69	57	43	27	*24	35	60	608	1830	406	90	35
22....	71	55	43	26	27	35	57	650	1810	360	84	34
23....	71	57	42	26	29	36	55	824	1660	325	77	34
24....	69	55	40	*27	29	36	59	1130	1610	315	77	32
25....	64	55	34	*28	30	36	62	1270	1700	335	112	32
26....	64	42	35	*28	29	36	64	1120	1580	305	115	34
27....	66	40	31	*28	28	35	80	943	1420	273	98	32
28....	66	42	30	27	28	35	84	872	1210	251	90	32
29....	66	41	31	26	28	36	87	988	1230	231	84	34
30....	69	43	32	26	....	38	90	1290	1230	215	82	35
31....	69	....	28	28	....	40	....	1560	....	198	69	....
Total	2010	1662	1247	847	832	1065	1878	18631	44152	16299	3617	1251
Mean.	64.8	55.4	40.2	27.3	28.7	34.4	62.6	601	1472	526	117	41.7
Max..	71	68	50	31	33	40	90	1560	1860	1130	173	62
Min..	55	40	28	25	24	28	42	66	872	198	69	32
Acre-ft.	3990	3300	2470	1680	1650	2110	3720	36950	87570	32330	7170	2480

Total run-off for period=185,400 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Colorado River at Hot Sulphur Springs, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	98	165	100	108	100	104	180	1660	2610	2290	325	229
2....	100	177	108	104	100	100	200	1970	3090	1930	346	209
3....	98	169	106	106	100	96	210	2160	2970	1660	368	197
4....	95	169	100	102	102	98	230	2150	2280	1480	346	189
5....	95	144	90	100	104	106	250	2000	1980	1330	330	181
6....	92	124	88	100	104	98	260	1840	1860	1260	330	169
7....	90	148	90	102	106	102	280	1580	1910	1140	346	162
8....	92	140	96	106	108	106	280	1360	2120	1060	351	158
9....	92	173	104	106	104	108	280	1210	2360	1010	346	151
10....	92	115	110	104	100	102	270	1080	2670	960	325	144
11....	92	124	110	102	102	102	290	1020	2700	846	325	144
12....	92	140	*110	100	104	104	346	1010	2480	774	325	134
13....	98	137	108	102	106	106	384	1020	2190	712	305	130
14....	121	134	106	108	108	106	450	1050	2080	656	272	130
15....	115	148	108	106	108	106	591	1140	2000	577	250	127
16....	127	148	108	106	110	104	648	1100	1840	552	254	124
17....	137	134	108	106	106	104	619	980	1730	522	300	127
18....	127	137	106	100	*102	*104	640	882	1940	492	305	130
19....	124	112	106	94	102	104	648	891	2090	456	305	151
20....	121	124	108	96	110	104	792	837	2250	428	295	151
21....	121	118	108	100	112	104	801	783	2510	428	281	137
22....	124	115	108	*102	108	104	882	774	2610	422	258	130
23....	140	124	112	106	108	104	855	810	2690	480	237	127
24....	158	90	110	106	108	106	970	940	2590	444	241	127
25....	165	76	108	104	108	110	1080	1000	2480	406	373	124
26....	148	71	106	98	96	110	1180	1080	2500	368	340	124
27....	154	76	104	100	98	120	1130	1120	2530	335	290	124
28....	165	70	106	102	100	130	1040	1390	2330	320	263	127
29....	165	68	110	106	....	140	1200	1940	2180	310	245	130
30....	154	82	112	102	....	150	1340	3150	2640	310	237	144
31....	144	....	110	100	....	170	....	3000	....	325	245	....
Total	3736	3752	3264	3186	2924	3412	18326	42927	70210	24283	9359	4431
Mean.	121	125	105	103	104	110	611	1385	2340	783	302	148
Max.	165	177	112	108	112	170	1340	3150	3090	2290	368	229
Min.	90	68	88	94	96	96	180	774	1730	310	237	124
Acre-ft.	7410	7440	6470	6320	5800	6770	36350	85140	139300	48160	18560	8790

Total run-off for period=376,500 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Colorado River at Hot Sulphur Springs, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	150	129	90	74	74	86	145	300	2990	1560	218	115
2....	143	109	94	72	84	88	145	335	2740	1460	209	109
3....	133	108	90	74	80	90	160	238	2590	1420	200	106
4....	129	110	92	76	84	92	190	222	2260	1350	188	106
5....	126	112	96	74	88	92	230	276	2040	1260	184	104
6....	126	92	98	72	90	92	250	406	1750	1200	184	101
7....	123	80	100	74	88	92	270	580	1980	1080	184	93
8....	120	88	100	76	86	88	290	564	2210	930	172	89
9....	118	96	92	78	86	92	310	531	2480	848	172	89
10....	115	108	96	74	88	96	290	628	3180	803	172	89
11....	118	112	92	70	*89	96	295	636	3460	785	164	89
12....	123	115	84	70	86	96	373	612	3220	708	153	86
13....	129	111	82	70	84	98	428	767	2910	604	150	84
14....	129	106	90	72	88	100	281	980	2820	552	146	82
15....	129	96	86	74	90	100	218	1320	2740	510	146	84
16....	126	101	82	*72	90	105	168	1620	2930	492	153	82
17....	126	93	*80	70	86	*107	160	1950	2860	450	143	75
18....	123	109	82	68	82	107	168	1660	2550	412	136	73
19....	126	112	86	68	80	105	200	1450	2570	390	146	73
20....	133	96	90	70	78	105	180	1260	2910	462	164	73
21....	123	93	92	72	78	105	188	1250	3060	566	150	73
22....	123	109	90	70	82	110	180	1330	2990	504	140	68
23....	133	115	90	70	86	115	168	1640	2620	439	133	65
24....	123	106	90	72	90	120	172	2130	2400	422	126	65
25....	123	112	80	74	90	125	222	2310	2520	474	157	65
26....	123	84	84	74	90	125	218	2130	2420	422	176	68
27....	123	80	80	74	86	125	253	1840	2100	368	150	66
28....	123	82	78	76	86	120	325	1750	1740	320	140	68
29....	123	86	80	74	86	130	325	2000	1750	290	133	68
30....	129	88	82	74	....	135	330	2390	1700	272	129	75
31....	129	....	78	72	....	145	....	2930	....	250	123	....
Total	3920	3038	2726	2250	2475	3282	7142	38055	76490	21603	4941	2483
Mean.	126	101	87.9	72.6	85.3	106	238	1228	2550	697	159	82.8
Max.	150	129	100	78	90	145	428	2930	3460	1560	218	115
Min.	115	80	78	68	74	86	145	222	1700	250	123	65
Acre-ft.	7780	6030	5410	4460	4910	6510	14170	75480	151700	42850	9800	4920

Total run-off for period=334,000 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Colorado River Near Dotsero, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	762	786	538	510	440	565	1470	5680	9210	9800	1590	1690
2....	756	816	560	520	465	479	1460	6280	10800	8720	1690	1500
3....	750	861	560	570	500	467	1620	7120	11300	7640	1950	1540
4....	744	868	533	487	440	542	1840	7800	9710	6700	1920	1410
5....	744	854	590	451	480	565	1810	7560	8810	5750	1900	1230
6....	738	834	503	495	450	447	1930	6930	7860	5610	1890	1030
7....	732	822	483	491	480	538	2080	6300	7640	4930	1870	959
8....	726	798	528	467	510	551	2160	5460	8180	4510	1830	1200
9....	714	810	512	475	520	590	2030	4900	9010	4360	1810	1120
10....	714	792	560	515	450	580	1730	4480	9800	4140	1850	1120
11....	714	756	535	515	475	590	1590	4190	9800	3980	1820	1050
12....	714	670	500	491	538	595	1390	4400	9430	3690	1720	1130
13....	726	654	490	483	511	595	1300	4580	8880	3580	1660	917
14....	744	665	500	524	524	621	1350	4140	8080	3360	1600	875
15....	762	744	520	526	520	648	1540	4040	8500	3210	1460	1040
16....	786	810	510	524	524	542	1900	4080	8200	3030	1350	966
17....	780	798	500	503	533	538	2120	3950	7740	2710	1640	996
18....	786	762	520	499	542	610	2200	3600	7820	2660	1770	1040
19....	786	709	510	538	546	587	2260	3340	8140	2320	1920	973
20....	768	698	485	520	580	533	2500	3210	8410	2370	1950	917
21....	762	676	490	560	605	587	2810	2960	8830	2380	1750	774
22....	750	551	500	632	621	542	2950	2860	9510	2340	1650	988
23....	744	556	520	585	682	575	3160	2860	10000	2420	1530	936
24....	768	595	540	560	600	595	3430	2950	10300	2410	1550	903
25....	792	660	540	524	590	660	3700	3630	10100	2370	1630	973
26....	804	528	530	455	556	670	3960	4720	9930	2100	1800	938
27....	810	585	510	495	551	762	3940	4750	9780	2280	1670	896
28....	792	605	510	560	575	896	3880	5750	9470	2100	1550	822
29....	780	524	530	575	....	1040	4060	6240	9100	1920	1390	1000
30....	792	626	510	551	....	1230	4700	8300	9210	1760	1270	1060
31....	804	....	500	528	....	1370	....	10200	....	1630	1470	....
Total	23544	21413	16147	16131	14808	20110	72870	157260	273550	116780	52450	31995
Mean.	759	714	521	520	529	649	2429	5073	9118	3767	1692	1066
Max.	810	868	590	632	682	1370	4700	10200	11300	9800	1950	1690
Min.	714	524	483	451	440	447	1300	2860	7640	1630	1270	774
Ac.-ft.	46700	42470	32030	32000	29370	39890	144500	311900	542600	231600	104000	63460

Total run-off for period=1,621,000 acre-feet.

Discharge of Colorado River Near Dotsero, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1020	868	1000	750	720	654	840	1050	9340	5770	1640	1130
2....	931	828	1080	640	760	714	786	959	9620	5430	1470	1120
3....	903	945	1180	720	820	756	726	1170	8520	5120	1360	868
4....	822	854	1200	540	850	709	756	1030	7260	4960	1410	780
5....	798	1280	1200	350	860	682	952	980	6260	4580	1310	732
6....	903	1280	960	450	870	616	1280	1080	6410	4120	1150	875
7....	804	1120	880	580	720	507	1270	1370	6150	3730	1100	822
8....	834	903	1250	600	700	600	1390	1770	6830	3400	1220	840
9....	924	1040	1220	540	780	676	1460	2140	7280	3060	1250	868
10....	910	1300	1180	600	820	720	1290	2460	8330	2540	1230	738
11....	804	1190	1020	650	700	750	1160	2750	8790	2890	1210	692
12....	854	1350	970	450	680	768	1460	2950	8770	2690	1130	600
13....	1060	1320	680	360	700	798	1560	3630	8630	2450	924	828
14....	924	1250	820	380	709	654	1640	4530	8330	2240	744	798
15....	917	1040	1000	420	556	768	1430	5520	8060	2120	931	774
16....	924	952	1110	460	726	687	1240	7060	8280	2110	980	828
17....	1020	952	1000	440	732	720	996	8120	8040	2000	1090	714
18....	959	1140	1000	430	744	732	945	7220	6930	1990	1240	610
19....	698	1300	1010	430	780	720	996	6300	6640	1970	1310	676
20....	1170	1180	950	460	744	698	1040	5610	7760	2010	1120	660
21....	1090	1190	1020	550	792	570	1000	4950	8160	2000	931	682
22....	1040	966	1180	580	551	660	959	4930	8370	2220	1180	698
23....	1150	1160	1170	780	660	676	822	5480	7880	2020	1020	698
24....	1080	1300	1180	620	762	704	774	6720	7440	1860	966	654
25....	910	1360	1060	580	698	660	698	7220	7260	2050	1000	551
26....	780	1390	850	520	676	744	828	7400	7120	2110	1170	459
27....	1080	1060	590	440	632	621	952	6400	6780	2010	1260	682
28....	966	950	490	520	638	471	966	6130	6200	1820	1050	768
29....	1020	800	710	620	560	816	1280	6780	5770	1710	1160	756
30....	1170	840	890	600	....	804	1140	7900	5730	1640	1180	768
31....	1170	....	940	680	....	828	....	8850	....	1640	1150	....
Total	29635	33108	30790	16740	20940	21483	32636	140199	226940	86260	35886	22669
Mean.	956	1104	993	540	722	693	1088	4523	7565	2783	1158	756
Max.	1170	1390	1200	780	870	828	1460	8850	9620	5770	1640	1130
Min.	698	800	490	350	551	471	698	959	5730	1640	744	459
Ac.-ft.	58780	65670	61070	33200	41530	42610	64730	278100	450100	171100	71180	44960

Total run-off for period=1,383,000 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Colorado River at Glenwood Springs, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	864	780	822	651	512	725	1530	6030	10100	10300	1650	1680
2....	785	936	569	684	619	542	1530	6660	11500	9450	1700	1500
3....	792	1040	610	665	592	621	1730	7470	12200	8360	2000	1450
4....	816	1060	624	661	474	642	1960	8070	10400	7530	2060	1460
5....	792	778	572	468	638	748	1960	7980	9350	6570	1960	1310
6....	848	1000	553	565	575	655	2070	7380	8520	6180	1960	1200
7....	770	888	578	646	591	597	2280	6780	8140	5480	1910	952
8....	808	936	554	567	617	679	2380	6000	8710	4960	2000	1100
9....	808	944	610	528	719	793	2300	5270	9610	4760	1860	1160
10....	816	912	642	699	464	740	1950	4860	10600	4520	2020	1140
11....	800	864	554	524	549	740	1780	4640	10700	4350	2000	1140
12....	816	832	770	554	579	840	1610	4810	10200	4020	1940	1140
13....	840	800	732	785	619	725	1530	5050	9580	3920	1770	1130
14....	808	732	755	578	536	840	1530	4720	8710	3720	1670	770
15....	904	792	610	649	632	800	1960	4520	8940	3580	1550	1070
16....	912	960	683	560	637	840	2130	4520	8780	3400	1520	1100
17....	848	952	732	604	638	651	2450	4430	8390	3040	1610	924
18....	848	952	669	636	703	672	2480	4100	8420	2990	1820	1130
19....	888	872	572	338	629	676	2580	3820	8780	2640	1940	1090
20....	896	755	610	405	719	622	2830	3620	9000	2700	2060	952
21....	840	808	629	595	750	614	3190	3420	9420	2600	1810	832
22....	896	732	578	750	805	613	3380	3270	10100	2640	1700	1030
23....	740	672	740	707	1030	725	3660	3250	10700	2720	1520	1050
24....	888	670	697	688	692	732	3940	3380	10900	2690	1580	969
25....	824	813	711	636	740	717	4190	4060	10800	2530	1620	987
26....	987	688	697	525	655	912	4430	5250	10700	2230	1810	1080
27....	944	673	704	474	725	832	4480	5480	10400	2350	1680	952
28....	864	800	576	679	668	1090	4370	6510	10100	2190	1580	928
29....	920	676	799	495	....	1210	4520	7020	9740	1940	1530	987
30....	996	488	614	658	....	1420	5170	8870	9740	1780	1460	1100
31....	996	....	646	718	....	1430	....	11200	....	1650	1430	....
Total	26554	24805	20212	18692	18107	24443	81600	172440	293230	127790	54720	33313
Mean.	857	827	652	603	647	788	2720	5563	9774	4120	1765	1110
Max.	996	1060	822	785	1030	1430	5170	11200	12200	10300	2060	1680
Min.	740	488	553	338	464	542	1530	3250	8140	1650	1430	770
Ac.-ft.	52670	49200	40090	37080	35910	48480	161900	342000	581600	253500	108500	66080

Total run-off for period=1,777,000 acre-feet.

Discharge of Colorado River at Glenwood Springs, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1110	940	1100	934	742	726	1070	1380	9780	6270	1680	1110
2....	1100	830	1140	696	817	661	1180	1360	10200	5990	1450	1040
3....	907	1040	1160	675	862	925	880	1480	9340	5660	1460	952
4....	817	820	1160	703	880	782	898	1410	7860	5510	1410	826
5....	734	1010	1280	306	898	782	1210	1300	6810	5120	1360	628
6....	943	1410	1150	520	1040	750	1360	1280	7050	4620	1350	844
7....	844	1350	826	622	808	604	1740	1520	6870	4150	1210	817
8....	808	1090	1380	808	774	668	1740	1960	7410	3870	1140	758
9....	862	871	1350	650	826	844	1750	2600	7900	3450	1340	934
10....	990	1350	1320	680	835	934	1850	3070	9140	3170	1330	916
11....	826	1340	1240	720	742	1020	1470	3480	9690	3130	1220	661
12....	703	1300	1030	668	703	1040	1690	3710	9850	2950	1220	710
13....	1060	1340	628	335	758	1100	1850	4310	9750	2690	1080	808
14....	1190	1350	710	390	898	826	2100	5250	9460	2420	726	774
15....	916	1260	1160	425	758	871	1890	6240	9110	2320	675	766
16....	862	774	1150	496	734	907	1880	7290	9270	2260	1020	758
17....	1000	880	980	450	710	916	1680	8180	9050	2200	1070	742
18....	1170	1100	1000	455	526	907	1330	7440	7800	2150	1190	703
19....	758	1280	1080	435	675	880	1420	6510	7410	2120	1260	616
20....	661	1260	835	508	689	907	1400	5990	8540	1890	1250	742
21....	1380	1240	943	592	790	742	1390	5270	9210	2020	1050	710
22....	1140	1120	1260	586	628	782	1320	5140	9240	2250	990	710
23....	1020	970	1270	925	592	532	1270	5740	8890	2040	1150	622
24....	1180	1270	1220	766	808	934	1070	6930	8310	1840	1010	710
25....	1020	1280	1120	622	782	790	961	7440	7960	2090	1030	654
26....	750	1330	943	628	774	774	1060	7530	7770	2130	1070	556
27....	961	1270	574	450	610	718	1220	6930	7560	1980	1220	544
28....	1120	1110	520	586	750	703	1140	6630	6900	1810	1260	742
29....	1100	844	871	782	898	808	1390	7140	6450	1680	1020	758
30....	1270	880	952	640	....	654	1480	8180	6300	1660	1140	758
31....	1270	....	1100	808	....	889	....	9370	....	1640	1080	....
Total	30472	33909	32452	18861	22307	25376	42689	152066	250880	93080	36461	22869
Mean.	982	1130	1047	608	769	819	1423	4905	8363	3003	1176	762
Max.	1380	1410	1280	934	1040	1100	2100	9370	10200	6270	1680	1110
Min.	661	774	520	306	526	532	880	1280	6300	1640	675	544
Ac.-ft.	60440	67260	64370	37410	44250	50330	84670	301600	497600	184600	72320	45360

Total run-off for period=1,510,000 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Colorado River Near Cameo, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1490	1710	1290	1320	1420	1300	2340	8680	16200	15600	3140	3220
2....	1440	1480	1500	1320	1220	1300	2480	9600	17200	14400	3040	3090
3....	1420	1650	1360	1350	1310	1120	2580	10400	21100	12500	3320	2770
4....	1420	1770	1400	1380	1380	1140	2880	11600	17400	11000	3570	2760
5....	1440	1750	1420	1340	1200	1320	3190	12300	14600	9830	3350	2500
6....	1420	1620	1400	1130	1320	1340	3240	11100	13200	8990	3410	2350
7....	1470	1750	1310	1220	1200	1190	3480	10100	12300	8460	3200	2120
8....	1390	1670	1390	1280	1200	1250	3700	9040	13000	7700	3120	1810
9....	1430	1660	1350	1140	1240	1580	3640	7960	14900	7330	3110	1980
10....	1410	1680	1360	1140	1460	1660	3240	7280	17000	7050	2950	1920
11....	1440	1620	1400	1320	1170	1410	2920	6740	17600	6450	3010	1840
12....	1400	1550	1340	1180	1170	1420	2660	6620	17100	6200	3240	1790
13....	1490	1500	1440	1180	1280	1420	2440	6980	15700	5880	3010	1770
14....	1680	1490	1390	1340	1300	1390	2420	7100	13900	5600	2790	1730
15....	1550	1480	1420	1180	1250	1450	2550	6570	12900	5300	2600	1620
16....	1650	1560	1310	1200	1350	1410	2980	6480	13300	5140	2420	1700
17....	1660	1720	1350	1180	1280	1390	3510	6290	13100	4780	2550	1720
18....	1560	1680	1430	1140	1280	1330	3680	5940	13300	4400	3010	1650
19....	1560	1670	1380	1050	1310	1360	3750	5620	14200	4260	3680	1750
20....	1570	1620	1300	820	1280	1310	3990	5270	14800	3940	3860	1750
21....	1570	1620	1290	1050	1360	1310	3640	5200	15600	3880	3590	1650
22....	1540	1590	1340	1250	1400	1220	4780	5090	16600	4080	3240	1680
23....	1590	1430	1240	1500	1660	1270	5180	4980	17400	4010	3140	1740
24....	1450	1410	1380	1420	1790	1410	5500	5250	17600	3940	3060	1740
25....	1540	1430	1440	1400	1420	1410	6010	5880	17600	3910	3080	1720
26....	1490	1550	1380	1350	1360	1430	6430	7720	17900	3760	3440	1680
27....	1630	1400	1360	1200	1280	1610	6480	8930	17200	3460	3280	1790
28....	1570	1480	1340	1220	1310	1610	6290	9550	16500	3540	3010	1680
29....	1570	1550	1250	1400	....	1920	6280	12000	15400	3300	2740	1680
30....	1660	1390	1450	1220	....	2140	7180	13500	14900	3170	2720	1800
31....	1740	....	1260	1400	....	2320	....	16900	....	3380	3190	....
Total	47240	47480	42270	38620	37200	44740	119540	256670	469500	195240	96920	59000
Mean.	1524	1583	1364	1246	1329	1443	3985	8280	15650	6298	3126	1967
Max.	1740	1770	1500	1500	1790	2320	7180	16900	21100	15600	3860	3220
Min.	1390	1390	1240	820	1170	1120	2340	4980	12300	3170	2420	1620
Ac.-ft.	93700	94180	83840	76600	73790	88740	237160	509100	931200	387390	192200	117000

Total run-off for period=2,885,000 acre-feet.

Discharge of Colorado River Near Cameo, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1880	2280	1670	1780	1420	1320	1400	2120	17600	11900	3060	1710
2....	1920	1870	1860	1500	1380	1210	1470	2340	18200	11600	2980	1710
3....	1900	1680	1990	1200	1420	1360	1500	2300	17200	11200	2770	1660
4....	1750	1870	1970	1220	1440	1470	1360	2260	14700	11300	2580	1520
5....	1620	1720	1940	1240	1480	1380	1480	2100	12200	10500	2500	1390
6....	1600	1950	1970	800	1500	1380	1730	2110	11400	9660	2400	1250
7....	1760	2220	1790	940	1520	1220	1900	2530	11600	8760	2340	1420
8....	1640	2040	1710	1180	1420	1120	2180	3170	12000	8010	2100	1380
9....	1620	1820	2170	1280	1380	1160	2220	3810	12000	7080	2080	1350
10....	1700	1730	2050	1150	1480	1300	2280	4750	15400	7000	2170	1430
11....	1800	2120	1990	1280	1500	1290	2280	5440	17200	6400	2110	1400
12....	1650	2100	1790	1330	1300	1310	2080	6230	17600	6420	2040	1180
13....	1570	2100	1590	1240	1300	1450	2440	7100	16800	5780	1970	1210
14....	1900	2120	1420	930	1350	1530	2610	9270	16300	5380	1680	1270
15....	1980	2110	1500	1000	1460	1580	2600	11800	15900	4980	1560	1320
16....	1850	1970	1900	1120	1380	1420	2290	14600	16000	4690	1480	1380
17....	1760	1700	1660	1170	1200	1350	2280	17200	15900	4590	1720	1270
18....	1890	1720	1590	1200	1180	1390	2020	15400	14400	4320	1790	1270
19....	2020	1900	1680	1200	1120	1390	1910	12300	13500	4250	1830	1220
20....	1620	2050	1780	1050	1220	1360	1860	10900	14600	4140	1910	1160
21....	1710	1990	1590	1120	1280	1410	1860	10100	16500	4310	1820	1200
22....	2050	1990	1640	1200	1380	1270	1910	10000	16400	4220	1640	1210
23....	1880	1910	1870	1180	1200	1270	1910	11100	16000	4250	1700	1200
24....	1900	1830	1820	1480	1150	1060	1740	13300	15200	4010	1710	1120
25....	1970	2020	1780	1300	1300	1410	1580	14800	15100	3950	1620	1140
26....	1700	2020	1590	1280	1340	1450	1580	14800	15100	4090	1720	1140
27....	1640	2020	1500	1160	1260	1320	1560	13900	15360	3910	1720	1060
28....	1870	1860	1300	1160	1080	1220	2120	12500	13160	3670	1860	1050
29....	1880	1780	1350	1220	1160	1220	2520	13400	12200	3430	1770	1260
30....	2050	1580	1640	1380	....	1280	2580	15300	12200	3320	1660	1240
31....	2050	....	1620	1280	....	1290	....	17300	....	3190	1730	....
Total	56130	58070	53740	37490	38540	41080	59250	284530	448600	190380	62010	39140
Mean.	1811	1936	1734	1209	1329	1325	1975	9178	14953	6141	2000	1305
Max.	2050	2280	2170	1780	1520	1580	2610	17300	18200	11900	3060	1710
Min.	1600	1580	1300	800	1080	1060	1260	2100	11400	3190	1480	1050
Ac.-ft.	111300	115200	106600	74360	76440	81480	117500	564400	889800	377600	123000	77630

Total run-off for period=2,715,000 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Colorado River Near Cisco, Utah, for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	2400	3100	2940	2520	2610	2640	5760	21400	26700	20000	3930	8720
2....	2320	3450	2690	2520	2690	2570	5780	23300	25800	20100	4090	7790
3....	2250	3170	2960	2610	2640	2520	6040	22700	32100	18000	4130	6880
4....	2220	3230	2850	2470	2490	2450	6980	24100	32700	15700	4530	5990
5....	2200	3410	2900	2440	2440	2520	8780	26600	25700	14000	4850	5500
6....	2270	3640	2920	2440	2400	2730	9810	28000	21800	12500	4510	4910
7....	2230	3120	2800	2170	2300	2780	11500	23900	19200	11300	4620	4350
8....	2280	3320	2590	2120	2400	2620	13300	22400	18400	10400	4830	3890
9....	2270	3280	2570	2200	2490	2540	12100	20000	19900	9300	4830	3490
10....	2230	3260	2560	2190	2620	3100	10100	17400	22700	8920	4660	3230
11....	2280	3250	2610	2200	2610	3260	8140	15500	25500	8420	4390	2940
12....	2400	3160	2730	2230	2450	3010	7030	14500	26100	7660	5760	2850
13....	2440	3030	2690	2340	2340	2940	6270	14000	25400	7260	6470	2690
14....	2590	2960	2730	2270	2520	2900	6270	14200	23300	6880	5720	2590
15....	2980	2960	2590	2560	2560	2850	7560	13500	20600	6450	5060	2570
16....	2890	2980	2590	2540	2500	2990	9360	12300	19300	6170	4660	2470
17....	3010	3100	2540	2520	2570	2710	10700	11300	18600	6570	4810	2420
18....	3010	3300	2520	2300	2450	2780	11100	10300	18500	6040	5940	2500
19....	2960	3260	2540	2100	2610	2760	11700	9450	19300	5410	9300	2450
20....	2890	3210	2680	1900	2640	2730	12600	8950	20200	5020	9130	2420
21....	2900	3170	2540	1800	2640	2640	14300	8300	20700	4720	9040	2370
22....	2870	3120	2540	2300	2730	2560	15300	8300	22100	4680	7770	2320
23....	2870	3030	2440	3170	2830	2500	16200	8420	23200	4850	7280	2250
24....	2890	2850	2500	3720	3190	2500	17600	8280	23900	4740	6960	2200
25....	2810	2710	2690	3400	3400	2640	18900	9160	23600	4600	7280	2200
26....	2800	2830	2890	3070	2990	2660	18800	11300	23600	4430	7530	2280
27....	2690	2990	2780	2690	2870	2710	19200	14800	24000	4250	7280	2740
28....	2830	2850	2680	2660	2710	2940	18700	15500	23100	3890	6550	3550
29....	2800	2870	2590	2440	....	2960	18100	17400	21800	3720	5990	3250
30....	2890	3140	2520	2610	....	3580	19300	21900	20200	3470	5990	3140
31....	3030	....	2610	2680	....	4760	....	24800	....	3700	7480	....
Total	81500	93750	82780	77180	73690	87850	357280	501960	688000	253150	185370	106950
Mean.	2629	3125	2670	2490	2632	2884	11910	16190	22930	8166	5980	3565
Max.	3030	3640	2960	3720	3400	4760	19300	28000	32700	20100	9300	8720
Min.	2200	2710	2440	1800	2300	2450	5760	8280	18400	3470	4090	2200
Ac.-ft.	161700	186000	164200	153100	146200	174200	708700	995600	1365000	502100	367700	212100

Total run-off for period=5,137,000 acre-feet.

Discharge of Colorado River Near Cisco, Utah, for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	3010	3750	2870	2560	2540	2470	2390	9630	39100	22500	4130	1870
2....	2890	3950	2900	2590	2800	2760	2680	10400	39200	22000	3850	1900
3....	2800	3510	3170	2390	2740	2420	2900	10500	39600	21200	3510	1930
4....	2730	3320	3300	2300	2830	2680	2810	9840	39400	21000	3170	1900
5....	2570	3430	3250	1900	2810	2990	2810	9510	34200	20700	3050	1840
6....	2490	3340	3250	1800	2810	2850	3300	9480	28500	19500	2980	1680
7....	2420	3740	3360	1800	2850	2590	4490	12900	26500	17900	2830	1610
8....	2500	3970	3450	1700	3030	2500	5540	17600	27800	16100	2760	1550
9....	2450	3760	3340	1600	2810	2370	6080	20800	29600	14400	2590	1610
10....	2470	3450	3510	1700	2800	2170	6220	24000	31100	13200	2500	1590
11....	2540	3380	3600	1800	2710	2440	5920	25600	35600	12300	2540	1610
12....	2760	3830	3430	1900	2560	2620	5630	28600	37700	11500	2540	1640
13....	2890	3830	3170	1900	2450	2830	6340	31800	36500	10500	2420	1600
14....	2990	3810	3030	2000	2350	2980	7400	36600	33400	9300	2300	1480
15....	3190	3790	2810	2100	2450	3230	6810	43300	32300	8330	2140	1540
16....	3210	3750	2870	2200	2640	3300	5830	48500	30700	7660	1810	1580
17....	2960	3680	3070	2300	2620	3050	5280	51900	30800	7130	1750	1670
18....	2890	3430	2990	2300	2450	2850	5340	51000	28200	6810	1840	1630
19....	3530	3380	2760	2400	2540	2760	5060	39200	25900	6380	1900	1600
20....	3470	3530	2920	2400	2440	2760	4390	32400	26100	6200	2090	1710
21....	3170	3620	3170	2560	2520	2850	4430	30300	28500	6380	2300	1610
22....	3210	4110	3070	2640	2540	2960	4430	29400	30300	6930	2270	1600
23....	3490	4130	3170	2470	2710	2800	4150	31700	30100	6470	2060	1650
24....	3280	3640	3300	2610	2520	2690	4390	35700	28000	6360	1840	1630
25....	3260	3450	3320	2800	2500	2520	4330	40100	28000	6520	1960	1630
26....	3360	3600	3260	2800	2810	2660	4640	38900	28600	6760	1900	1590
27....	3170	3570	3160	2800	2710	2740	4580	36800	28800	6670	1980	1650
28....	3080	3490	2800	2540	2730	2690	5360	32800	27600	6060	2010	1670
29....	3230	3250	2370	2590	2420	2570	9040	31000	24200	5450	2060	1640
30....	3360	3030	2300	2440	....	2420	10500	33500	22800	4760	2070	1720
31....	3620	....	2560	2640	....	2420	....	35800	....	4430	1840	....
Total	92990	108580	95530	70530	76690	83940	153070	899560	929100	341400	74990	49930
Mean.	3000	3619	3082	2275	2644	2708	5102	29020	30970	11010	2419	1664
Max.	3620	4130	3600	2800	3030	3300	10500	51900	39600	22500	4130	1930
Min.	2420	3030	2300	1600	2350	2170	2390	9480	22800	4430	1750	1480
Ac.-ft.	184400	215400	189500	139900	152100	166500	303600	1784000	1843000	677200	148700	99030

Total run-off for period=5,903,000 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Arapahoe Creek Below Monarch Lake, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	14	14	11	8.2	6.2	6.0	14	279	468	488	81	37
2....	13	17	11	8.0	6.0	6.0	15	335	484	400	81	35
3....	13	14	11	8.0	5.8	6.2	17	364	484	339	71	31
4....	13	14	10	8.0	5.6	6.4	20	353	342	317	64	29
5....	12	15	9.0	8.0	5.6	6.4	22	296	296	296	64	30
6....	12	13	8.6	8.2	5.6	6.6	23	239	293	279	76	29
7....	12	12	9.0	8.2	5.6	6.6	23	188	328	269	73	26
8....	12	12	9.2	8.2	5.8	6.6	21	150	432	252	71	25
9....	12	14	9.4	8.2	5.8	6.4	20	121	524	242	68	23
10....	12	13	9.6	8.4	5.8	6.4	19	108	589	228	66	21
11....	11	12	9.8	8.6	5.8	6.4	18	111	524	215	61	17
12....	11	12	9.4	8.6	5.6	6.4	18	124	424	201	54	15
13....	10	13	9.0	8.6	5.6	6.4	21	143	393	198	51	15
14....	11	13	9.2	8.4	5.6	6.4	30	150	397	147	48	16
15....	11	13	9.4	8.4	5.6	6.4	34	150	397	96	46	16
16....	12	13	9.0	8.4	5.6	6.4	*47	130	400	111	46	16
17....	12	13	8.8	8.0	5.6	6.4	56	114	390	127	48	16
18....	12	*12	8.8	7.8	5.6	6.6	66	102	360	134	48	16
19....	12	12	8.8	7.6	*5.7	6.8	78	96	460	124	48	14
20....	13	12	8.8	7.6	5.8	6.8	105	90	558	121	44	14
21....	14	11	9.0	7.4	5.8	6.8	111	90	602	127	39	14
22....	15	11	9.0	7.2	6.0	6.8	108	102	620	127	39	14
23....	14	11	9.0	*7.0	6.2	6.8	127	134	585	127	50	13
24....	14	12	9.0	6.6	6.2	6.8	143	150	554	127	64	13
25....	16	12	8.8	6.4	6.2	6.8	147	177	584	118	68	13
26....	15	11	8.8	6.4	6.2	6.8	154	198	536	108	59	13
27....	15	12	8.8	6.6	6.2	7.2	140	215	563	105	50	13
28....	14	11	8.6	6.6	6.2	7.8	124	321	541	105	48	12
29....	14	11	8.6	6.6	6.2	8.4	157	456	506	102	46	12
30....	14	11	8.4	6.6	....	10	191	532	541	93	42	12
31....	14	....	8.7	6.4	....	13	....	496	....	96	40	....
Total	399	376	285.5	237.2	169.5	215.8	2069	6514	14175	5819	1754	570
Mean.	12.9	12.5	9.21	7.65	6.05	6.96	69.0	210	472	188	56.6	19.0
Max..	16	17	11	8.6	6.2	13	191	532	620	488	81	37
Min..	10	11	8.4	6.4	5.6	6.0	14	90	293	93	39	12
Acre-ft.	791	746	566	470	336	428	4100	12920	28120	11540	3480	1130

Total run-off for period=64,630 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Arapahoe Creek Below Monarch Lake, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	12	18	10	8.4	6.4	5.8	13	490	440	440	41	19
2....	12	18	10	8.4	6.7	5.9	6.1	13	462	417	48	19
3....	12	17	11	9.2	7.0	6.2	6.0	12	402	298	51	18
4....	12	17	11	8.0	7.0	6.1	6.1	12	326	383	51	16
5....	12	17	11	7.5	7.2	5.8	6.0	13	276	371	49	15
6....	13	16	11	7.2	7.4	5.7	6.3	17	258	348	48	15
7....	12	16	11	7.5	7.4	5.6	6.4	31	333	314	46	13
8....	13	16	10	7.5	7.4	5.6	6.3	32	364	284	45	13
9....	13	16	11	7.2	7.2	5.6	6.8	32	486	269	45	12
10....	13	16	11	7.5	6.8	5.7	7.2	35	534	251	44	12
11....	13	16	11	7.5	6.4	5.8	8.2	37	606	234	42	12
12....	15	16	11	7.2	6.1	5.6	8.0	41	542	196	41	11
13....	15	16	11	7.0	6.0	5.8	8.2	54	550	173	38	11
14....	15	16	11	6.7	5.8	5.6	8.6	122	506	170	36	11
15....	15	15	11	6.7	5.9	5.6	9.0	234	506	157	36	10
16....	16	15	10	6.7	5.9	5.6	8.8	310	538	144	35	10
17....	16	15	11	6.5	6.1	5.7	9.8	360	498	133	34	9.8
18....	16	15	11	6.4	5.7	5.6	9.8	288	466	130	32	9.8
19....	17	14	11	6.2	5.7	5.6	9.4	224	522	124	32	9.4
20....	17	14	11	6.0	5.6	5.7	9.4	213	662	127	32	9.4
21....	17	13	11	6.2	5.6	5.7	9.0	213	670	130	31	9.0
22....	17	13	10	5.8	5.4	5.8	9.0	237	688	119	30	8.6
23....	17	13	10	6.1	5.6	5.6	9.0	288	622	111	28	8.2
24....	17	13	11	6.1	5.6	5.8	9.4	386	634	103	30	8.2
25....	18	13	10	6.2	5.6	5.5	9.4	386	630	100	38	8.2
26....	19	12	10	6.0	5.5	5.6	10	310	582	95	37	8.2
27....	18	11	9.4	5.8	5.7	5.7	11	255	526	86	35	7.8
28....	18	11	8.7	6.5	5.6	5.7	11	237	470	77	31	7.8
29....	18	10	9.2	6.4	5.5	5.8	12	333	502	73	29	7.8
30....	18	10	9.2	6.0	....	5.9	12	455	482	66	25	7.8
31....	18	....	8.7	6.0	....	6.0	....	538	....	55	13	....
Total	474	438	323.2	212.4	179.8	177.7	254.0	5731	15133	5978	1153	3370
Mean.	15.3	14.6	10.4	6.85	6.20	5.73	8.47	185	504	193	37.2	11.2
Max..	19	18	11	9.2	7.4	6.2	12	538	688	440	51	19
Min..	12	10	8.7	5.8	5.4	5.5	5.8	12	258	55	13	7.8
Acre-ft.	940	869	641	421	357	352	504	11370	30020	11860	2290	668

Total run-off for period=60,290 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Willow Creek Near Granby, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	12	11	11	12	10	11	24	322	422	129	25	15
2....	12	11	11	12	10	10	26	348	472	106	29	14
3....	12	9.8	11	12	11	9.4	*30	358	436	100	27	14
4....	12	10	11	11	11	10	36	353	414	94	24	14
5....	12	9.8	10	10	11	11	42	358	404	85	22	13
6....	11	10	10	11	11	9.6	53	305	388	78	22	13
7....	12	10	10	11	12	10	54	267	370	74	22	13
8....	12	10	10	11	12	11	58	241	353	71	22	12
9....	12	11	11	11	11	12	50	218	344	76	23	12
10....	12	10	12	10	10	10	44	203	346	63	21	12
11....	11	9.2	12	10	11	11	39	194	344	58	26	12
12....	11	9.8	11	10	11	11	35	190	322	53	24	12
13....	12	10	11	10	11	11	36	203	298	47	21	12
14....	14	10	*12	12	11	11	44	214	274	45	19	11
15....	13	11	12	*11	10	11	65	222	257	42	18	11
16....	12	12	12	11	10	11	87	210	237	42	19	11
17....	12	11	12	11	10	*11	87	195	222	42	21	11
18....	11	*12	12	10	10	11	91	183	218	37	19	12
19....	11	12	12	10	10	11	102	177	210	34	19	14
20....	11	11	12	11	*11	10	130	162	212	32	18	12
21....	11	10	12	11	11	10	143	159	208	32	17	11
22....	11	9.6	12	12	11	11	153	158	203	35	17	11
23....	12	10	12	12	11	11	158	164	194	34	16	11
24....	11	11	12	12	11	11	190	177	185	29	17	11
25....	11	11	12	11	11	12	203	194	177	28	23	11
26....	11	10	12	10	10	13	214	203	172	26	18	11
27....	11	11	13	11	10	15	210	208	161	26	17	12
28....	11	11	13	11	11	18	206	232	137	24	16	12
29....	11	10	13	12	....	20	241	284	132	24	16	13
30....	9.3	11	12	11	....	21	272	456	164	27	16	16
31....	11	....	12	11	....	22	....	456	....	26	16	....
Total	357.3	315.2	360	341	300	377	3123	7614	8276	1619	630	369
Mean.	11.5	10.5	11.6	11.0	10.7	12.2	104	246	276	52.2	20.3	12.3
Max..	14	12	13	12	12	22	272	456	472	129	29	16
Min..	9.3	9.2	10	10	10	9.4	24	158	132	24	16	11
Acre-ft.	709	625	714	676	595	748	6190	15100	16420	3210	1250	732

Total run-off for period=46,970 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Willow Creek Near Granby, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	15	13	11	8.2	7.4	9.0	15	19	322	87	21	10
2....	13	13	11	8.0	7.6	9.0	15	20	308	82	19	11
3....	13	14	11	7.8	7.8	9.2	17	17	303	82	17	9.8
4....	12	15	11	7.6	7.8	9.4	19	18	273	80	16	9.3
5....	12	14	12	7.6	7.8	9.4	21	20	255	74	15	8.8
6....	12	14	12	7.6	7.8	9.4	23	32	238	69	15	8.8
7....	12	13	12	7.6	7.8	9.2	24	49	268	64	15	8.3
8....	12	13	11	7.6	7.4	9.2	25	49	277	58	14	8.3
9....	12	13	11	7.4	7.2	9.4	26	61	293	54	14	7.8
10....	12	14	11	7.4	7.2	9.6	26	76	322	52	15	7.8
11....	12	15	11	7.2	*7.4	9.8	26	80	315	53	14	7.8
12....	14	15	11	6.8	7.8	10	28	94	305	48	13	7.8
13....	14	16	10	6.6	8.0	10	36	134	279	44	13	7.8
14....	14	16	10	6.4	8.0	10	30	164	260	42	14	7.8
15....	13	15	*10	*6.4	8.0	10	23	189	242	42	15	8.3
16....	13	16	9.6	6.2	8.0	11	19	206	240	40	14	8.8
17....	13	15	9.2	6.4	7.6	*11	16	212	228	37	14	8.3
18....	13	15	9.2	6.4	7.6	11	18	173	206	36	14	7.8
19....	13	14	9.2	6.4	8.0	11	15	145	195	35	16	7.4
20....	14	14	9.4	6.6	8.2	11	15	152	193	49	17	7.8
21....	13	14	9.6	6.6	8.6	12	15	182	186	51	14	7.8
22....	13	14	9.6	6.6	8.8	13	14	214	170	38	14	7.4
23....	15	13	9.4	6.6	9.0	13	14	277	150	35	13	7.4
24....	13	11	9.2	6.8	9.0	13	14	332	134	36	13	8.3
25....	13	10	9.0	7.0	9.0	14	16	320	126	39	19	7.4
26....	13	10	9.0	7.2	8.8	14	16	291	119	32	14	7.8
27....	13	10	9.0	7.4	8.6	13	18	279	106	29	13	7.8
28....	14	10	8.8	7.4	8.6	13	22	282	98	26	12	7.8
29....	15	11	8.6	7.4	8.6	14	21	288	100	25	11	8.3
30....	15	11	8.6	7.2	....	14	21	286	92	25	12	11
31....	14	....	8.6	7.2	....	15	....	324	....	22	11	....
Total	409	401	311.0	219.6	233.4	345.6	608	4985	6603	1486	451	250.5
Mean.	13.2	13.4	10.0	7.08	8.05	11.1	20.3	161	220	47.9	14.5	8.35
Max..	15	16	12	8.2	9.0	15	36	332	322	87	21	11
Min..	12	10	8.6	6.2	7.2	9.0	14	17	92	22	11	7.4
Acre-ft.	811	795	617	436	463	685	1210	9890	13100	2950	895	497

Total run-off for period=32,350 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Fraser River Near Winter Park, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	3.4	12	8.4	7.6	6.6	7.2	16	20	18	10	6.1	3.6
2....	3.4	12	8.2	7.6	6.6	6.8	17	20	21	9.6	6.5	3.4
3....	3.4	12	8.2	7.4	6.4	7.0	18	19	20	8.9	6.8	3.4
4....	3.6	11	8.0	7.6	6.4	7.2	19	19	19	8.2	6.1	3.4
5....	3.6	12	7.6	7.6	6.4	7.4	20	19	18	8.2	6.1	3.1
6....	3.8	10	7.8	7.6	6.4	7.6	22	19	18	42	5.8	3.1
7....	3.8	9.2	8.0	7.8	6.4	7.6	20	18	18	8.9	5.8	3.1
8....	3.8	9.8	8.2	7.8	6.4	7.6	18	17	18	8.2	5.8	2.8
9....	3.8	11	8.4	7.8	6.4	7.4	17	18	18	7.8	5.8	2.8
10....	3.8	9.2	8.4	7.8	6.4	7.2	17	19	19	7.5	5.5	2.8
11....	3.8	9.6	8.4	8.0	6.4	7.0	16	17	19	6.5	5.1	2.8
12....	4.1	11	8.4	8.2	6.2	6.8	16	16	19	6.1	5.1	2.8
13....	5.8	11	*8.2	8.0	6.2	7.2	16	16	18	5.5	4.8	2.8
14....	5.1	11	8.2	8.0	6.2	7.0	18	16	18	5.5	4.4	3.1
15....	5.5	11	8.2	8.0	6.4	*6.7	20	17	18	5.5	4.4	2.8
16....	6.1	11	8.2	8.0	6.6	6.8	21	17	17	5.5	6.1	2.8
17....	5.8	11	8.0	7.8	6.6	7.4	20	17	17	5.5	5.8	2.8
18....	5.1	11	8.0	7.6	6.6	7.4	20	16	16	5.1	5.5	3.1
19....	5.1	11	8.0	7.4	6.8	7.4	24	16	15	4.8	5.5	3.4
20....	5.1	10	8.0	7.4	7.0	7.4	27	15	15	5.8	4.8	3.1
21....	5.1	9.4	8.2	7.4	*7.2	7.4	26	15	14	5.8	4.4	2.8
22....	4.8	9.0	8.2	7.4	7.2	7.4	27	15	14	6.5	4.4	2.8
23....	9.2	12	8.2	7.0	7.2	7.6	30	15	14	6.8	4.1	2.8
24....	19	11	8.2	6.8	7.2	7.0	34	16	13	5.8	4.8	2.8
25....	13	10	8.0	6.8	7.2	7.8	40	15	13	5.5	5.1	2.8
26....	14	9.0	7.8	*6.8	7.2	8.2	33	15	13	5.1	3.8	3.6
27....	13	9.4	8.0	7.0	7.0	8.4	22	15	12	5.1	3.6	3.4
28....	13	9.4	7.8	7.2	7.2	9.0	20	15	11	4.8	3.6	3.6
29....	12	9.2	7.8	7.2	....	10	19	17	11	5.5	3.6	3.6
30....	11	8.6	7.8	7.2	....	13	19	23	12	6.1	4.1	4.8
31....	14	....	7.8	7.0	....	15	....	19	....	6.5	4.1	....
Total	216.0	312.8	250.6	232.8	186.8	244.9	652	531	486	238.6	157.4	94.0
Mean	6.97	10.4	8.08	7.51	6.67	7.90	21.7	17.1	16.2	7.70	5.08	3.13
Max.	19	12	8.4	8.2	7.2	15	40	23	21	42	6.8	4.8
Min.	3.4	8.6	7.6	6.8	6.2	6.7	16	15	11	4.8	3.6	2.8
Acre-ft.	428	620	497	462	371	486	1290	1050	964	473	312	186

Total run-off for period=7,140 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Fraser River Near Winter Park, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	4.4	5.6	9.4	8.8	7.4	6.6	5.3	9.1	59	9.1	4.4	4.1
2....	3.8	12	10	8.8	7.4	6.7	5.6	9.4	19	9.1	4.7	4.1
3....	3.8	11	10	8.4	7.0	6.7	5.7	8.8	19	8.8	4.4	4.1
4....	3.8	11	9.4	8.0	7.6	6.7	7.0	11	20	8.4	4.4	4.1
5....	3.8	11	9.1	8.4	8.0	6.7	9.4	10	21	8.0	4.4	4.1
6....	3.8	11	9.1	8.8	7.7	6.7	8.8	16	19	7.7	4.4	3.8
7....	3.8	10	9.1	8.0	8.0	6.7	10	18	20	7.4	4.4	3.8
8....	3.8	10	9.1	9.1	8.0	6.7	9.8	16	45	7.4	4.4	3.8
9....	3.8	11	9.4	9.1	8.0	6.7	11	18	158	7.0	4.4	3.8
10....	3.8	11	9.4	8.8	8.0	6.8	10	22	196	7.4	4.4	3.8
11....	4.1	11	9.1	8.0	8.0	6.8	9.1	22	189	7.7	4.4	3.8
12....	4.7	11	8.8	8.8	8.0	6.8	11	25	177	6.4	4.1	3.8
13....	4.7	11	8.8	8.8	8.0	6.8	11	36	177	6.4	4.1	3.8
14....	4.7	11	8.8	8.8	8.2	6.2	9.8	47	184	6.1	4.4	3.8
15....	4.1	11	9.1	7.7	8.4	6.7	9.4	58	192	6.1	4.4	3.8
16....	4.1	11	8.4	7.7	8.4	7.4	11	70	192	5.8	4.7	3.8
17....	4.1	11	8.2	7.7	8.4	7.0	10	57	177	5.6	5.0	3.8
18....	3.8	9.8	8.2	7.4	8.8	6.4	8.8	52	168	5.6	5.0	3.8
19....	4.1	10	8.4	7.4	8.0	7.0	7.4	47	180	5.6	5.8	3.8
20....	4.1	11	8.0	7.4	7.4	7.4	6.7	51	182	6.1	5.3	3.8
21....	4.1	10	8.0	7.7	6.4	7.7	7.0	54	182	5.3	5.0	3.8
22....	4.1	9.8	8.0	8.0	6.4	7.2	6.7	65	175	4.7	4.7	3.8
23....	4.4	9.8	7.7	7.7	6.6	6.0	6.4	85	14	4.7	4.7	3.8
24....	4.4	9.8	7.4	7.7	6.6	5.8	6.7	79	12	5.0	4.7	3.8
25....	4.1	9.8	7.6	7.7	6.7	5.8	7.4	83	12	5.3	5.3	3.8
26....	4.1	9.8	7.6	7.7	6.7	5.8	8.0	78	12	4.7	4.7	3.6
27....	4.1	9.0	7.4	7.7	6.7	5.8	9.4	66	10	4.1	4.4	3.8
28....	4.1	8.4	7.4	7.7	6.7	5.8	10	71	9.8	4.1	4.4	3.8
29....	4.1	8.0	7.4	7.6	6.6	5.8	10	85	9.4	4.1	4.4	3.8
30....	4.1	9.0	8.0	7.5	....	5.8	10	104	9.1	4.4	4.4	3.8
31....	4.1	....	8.8	7.4	....	5.6	....	125	....	4.1	4.4	....
Total	126.8	304.8	265.1	250.3	218.1	202.6	258.4	1498.3	2839.3	192.2	142.6	115.3
Mean	4.09	10.2	8.55	8.07	7.52	6.54	8.61	48.3	94.6	6.20	4.60	3.84
Max.	4.7	12	10	9.1	8.8	7.7	11	125	196	9.1	5.8	4.1
Min.	3.8	5.6	7.4	7.4	6.4	5.6	5.3	8.8	9.1	4.1	4.1	3.6
Acre-ft.	252	605	526	496	433	402	513	2970	5630	381	283	229

Total run-off for period=12,720 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Fraser River at Granby, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	27	62	43	45	37	43	112	488	702	544	80	60
2....	28	65	44	46	38	40	122	579	1060	459	93	54
3....	28	63	44	46	39	36	128	600	831	411	101	52
4....	28	60	43	39	38	38	132	565	628	385	90	50
5....	29	56	40	38	40	41	140	537	579	345	90	46
6....	29	50	39	42	41	37	156	537	558	364	90	44
7....	27	44	39	41	42	40	168	476	558	288	85	43
8....	28	47	43	40	42	42	168	488	600	201	80	41
9....	29	50	46	39	43	43	150	427	635	184	77	40
10....	29	44	49	38	38	41	134	390	726	173	72	40
11....	28	43	48	37	37	42	124	380	880	152	74	40
12....	28	44	47	38	38	43	120	369	759	139	77	39
13....	34	46	46	38	38	45	120	354	718	121	72	36
14....	34	49	47	45	40	46	128	350	686	110	62	36
15....	36	50	48	42	41	46	144	390	670	110	58	36
16....	46	46	47	42	42	46	170	369	607	101	62	35
17....	46	50	47	41	43	44	200	340	586	93	85	34
18....	40	46	47	40	43	43	230	316	607	85	90	36
19....	36	44	47	35	44	41	261	321	572	82	85	44
20....	36	42	45	38	44	37	307	288	572	80	77	40
21....	37	39	45	42	43	40	298	275	628	96	67	36
22....	37	39	46	43	43	37	316	261	670	90	72	35
23....	48	41	48	43	44	38	307	270	678	124	62	35
24....	71	43	47	42	44	39	340	326	649	93	64	35
25....	62	44	45	40	45	40	354	311	635	87	142	34
26....	51	43	45	37	41	43	385	330	649	77	85	32
27....	58	44	44	40	39	47	350	330	572	72	72	35
28....	63	42	45	41	40	58	340	406	558	74	64	35
29....	62	40	46	42	....	70	395	506	551	67	60	36
30....	56	42	47	41	....	81	421	1070	750	67	60	41
31....	51	....	46	39	....	100	....	840	....	87	72	....
Total	1251	1418	1403	1260	1148	1430	6720	13489	19874	5361	2420	1200
Mean.	40.4	47.3	45.3	40.6	41.0	46.1	224	435	662	173	78.1	40.0
Max..	71	65	49	46	45	100	421	1070	1060	544	142	60
Min..	27	39	39	35	37	36	112	261	551	67	58	32
Acre-ft.	2480	2810	2780	2500	2280	2840	13330	26760	39420	10630	4800	2380

Total run-off for period=113,000 acre-feet.

Discharge of Fraser River at Granby, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	47	52	56	38	39	32	56	134	843	274	44	29
2....	42	56	56	38	39	32	56	160	697	252	47	27
3....	38	62	56	37	38	33	58	97	651	234	47	27
4....	37	66	56	38	39	34	62	95	589	205	41	29
5....	37	64	56	37	39	34	66	117	560	193	38	27
6....	37	60	60	35	39	34	76	248	488	174	38	27
7....	37	56	60	36	36	34	78	200	625	157	39	23
8....	36	60	60	36	35	*34	80	290	651	140	32	21
9....	35	66	58	35	36	36	82	280	867	111	32	24
10....	36	70	58	34	37	37	74	320	1100	120	34	25
11....	38	74	54	34	38	37	92	330	1020	137	27	25
12....	40	78	50	35	36	37	106	330	1020	106	26	26
13....	40	79	46	34	34	38	124	300	949	95	24	24
14....	40	79	46	33	34	40	89	380	932	82	26	24
15....	40	66	*46	*33	*34	*41	76	480	932	82	29	24
16....	39	72	46	33	34	42	60	560	932	89	27	21
17....	39	66	46	32	34	42	56	660	843	79	26	16
18....	40	74	46	32	31	42	*70	560	725	74	26	17
19....	41	69	46	33	31	42	82	500	775	62	44	19
20....	41	74	48	34	31	44	82	450	835	84	51	21
21....	43	74	50	34	31	45	86	430	843	89	42	20
22....	44	74	50	33	33	46	70	450	805	100	39	14
23....	45	58	50	32	33	47	62	554	565	86	37	15
24....	44	60	48	33	34	47	69	619	510	79	35	15
25....	44	56	46	35	35	47	89	658	499	117	49	16
26....	44	54	46	35	34	45	95	613	494	86	42	17
27....	45	52	44	35	32	45	120	548	382	74	37	16
28....	49	50	42	35	32	46	160	543	320	62	34	19
29....	52	52	42	35	*32	49	160	638	338	54	29	23
30....	56	54	42	36	....	52	157	732	297	53	29	25
31....	54	....	40	37	....	54	....	899	....	47	29	....
Total	1300	1927	1550	1077	1010	1268	2593	13275	21087	3597	1100	656
Mean.	41.9	64.2	50.0	34.7	34.8	40.9	86.4	428	703	116	35.5	21.9
Max..	56	79	60	38	39	51	160	899	1100	274	51	29
Min..	35	50	40	32	31	32	56	95	297	47	24	14
Acre-ft.	2580	3820	3070	2140	2000	2520	5140	26330	41830	7130	2180	1300

Total run-off for period=100,000 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Vasquez Creek Near Winter Park, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.1	26	11	7.6	5.8	5.2	11	84	6.9	181	3.3	1.0
2....	1.1	16	12	7.6	5.6	5.2	13	82	9.3	157	3.1	0.9
3....	1.1	13	11	7.6	5.6	5.2	13	68	8.1	135	3.1	0.9
4....	1.1	12	10	7.4	5.4	5.2	14	37	6.5	121	2.8	0.8
5....	1.1	12	9.0	7.4	5.4	5.2	15	33	5.9	107	3.1	0.7
6....	1.1	13	8.6	7.4	5.4	5.4	16	28	5.3	98	2.8	0.7
7....	1.1	13	8.4	7.4	5.4	5.4	14	24	4.7	74	2.6	0.8
8....	1.1	14	8.4	7.4	5.4	5.4	13	26	4.4	0.7	2.6	0.8
9....	1.1	15	9.0	7.4	5.4	5.4	11	28	4.1	0.3	2.4	0.8
10....	1.1	14	9.4	7.4	5.4	5.4	11	32	21	0.2	2.4	0.8
11....	1.2	13	9.2	7.6	5.4	5.2	10	35	140	0.2	2.4	0.8
12....	1.2	14	9.0	7.6	5.4	5.2	10	37	147	0.2	2.2	0.8
13....	1.7	14	*8.7	7.6	5.4	5.2	11	38	154	0.4	2.0	0.8
14....	1.7	14	8.6	7.6	5.4	5.2	11	41	154	0.4	1.7	0.8
15....	1.7	15	8.6	7.4	5.4	*5.2	12	46	159	0.4	1.7	0.8
16....	2.0	*16	8.6	7.4	5.2	5.2	12	50	154	0.5	2.8	0.8
17....	1.7	15	8.4	7.2	5.2	5.2	12	12	171	0.6	3.1	0.8
18....	1.5	16	8.4	7.2	5.2	5.4	12	10	193	0.6	3.1	0.9
19....	1.5	15	8.4	7.0	5.2	5.4	14	10	183	0.6	2.6	1.0
20....	1.5	14	8.6	6.8	5.2	5.4	17	9.7	195	1.2	2.2	0.9
21....	1.3	13	8.6	6.6	*5.4	5.4	18	9.3	212	3.3	1.2	0.9
22....	1.3	12	8.6	6.6	5.4	5.4	20	8.9	224	3.8	1.1	0.8
23....	4.1	13	8.4	6.4	5.4	5.4	20	9.3	231	4.4	1.1	0.8
24....	15	14	8.4	6.4	5.4	5.4	25	10	229	3.3	1.3	0.8
25....	13	14	8.2	6.2	5.4	5.4	33	9.7	219	3.1	2.0	0.8
26....	20	12	8.2	*6.2	5.4	5.4	37	9.3	222	2.8	1.1	0.8
27....	17	13	8.2	6.2	5.4	5.8	32	7.3	214	2.8	1.0	0.9
28....	14	12	8.2	6.2	5.4	6.2	37	5.0	207	2.8	0.9	0.9
29....	13	11	8.2	6.2	....	6.6	50	6.5	198	2.8	0.9	1.1
30....	17	11	8.0	6.0	....	7.6	71	15	200	3.3	0.9	1.3
31....	28	....	7.8	5.8	....	9.0	....	8.1	....	4.1	1.0	....
Total	170.4	419	274.1	216.8	151.0	173.2	595	829.1	3882.2	915.8	64.5	25.7
Mean.	5.50	14.0	8.84	6.99	5.39	5.59	19.8	26.7	129	29.5	2.08	0.86
Max.	28	26	12	7.6	5.8	9.0	71	84	231	181	3.3	1.3
Min.	1.1	11	7.8	5.8	5.2	5.2	10	5.0	4.1	0.2	0.9	0.7
Acre-ft.	338	831	544	430	300	344	1180	1640	7700	1820	128	51

Total run-off for period=15,310 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Vasquez Creek Near Winter Park, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.3	3.9	8.4	8.0	6.0	6.0	6.0	5.8	109	2.8	2.7	0.6
2....	1.4	6.0	9.4	8.0	5.8	6.0	6.0	6.0	109	2.0	2.8	0.6
3....	1.4	7.6	9.0	8.0	5.5	6.0	6.0	7.0	115	1.8	2.7	0.6
4....	1.4	9.2	8.6	8.0	5.8	6.0	6.7	7.0	113	1.6	2.5	0.3
5....	1.5	9.2	9.0	8.0	6.0	5.8	7.6	7.0	103	1.6	2.5	0.1
6....	1.5	9.0	9.6	8.0	6.0	5.8	6.0	7.6	101	1.5	2.5	0.2
7....	1.6	8.6	10	8.0	6.3	6.0	6.3	8.6	105	1.2	2.5	0.2
8....	1.6	8.6	10	8.0	7.0	6.0	6.3	7.6	107	0.9	2.3	0.2
9....	1.6	8.6	9.8	8.0	6.7	6.0	5.8	9.3	115	1.0	2.7	0
10....	1.6	8.8	9.4	7.6	6.7	6.0	7.3	12	140	1.4	2.5	0
11....	1.8	9.2	9.2	7.6	6.7	6.0	6.3	10	142	1.6	2.3	0
12....	1.9	9.4	9.4	7.3	6.7	5.8	6.0	14	138	1.5	2.2	0
13....	1.9	9.0	9.4	7.3	6.7	6.0	5.5	26	128	1.2	2.2	0
14....	1.9	9.0	9.3	7.3	6.7	6.0	6.3	33	135	1.0	2.2	0
15....	1.9	8.8	8.6	7.3	6.7	5.8	5.8	41	138	0.9	2.0	0
16....	1.8	8.6	8.6	7.3	6.3	5.8	6.3	55	148	0.9	0.7	0
17....	1.8	8.6	8.6	7.3	6.3	5.8	6.7	43	133	0.7	0.7	0
18....	1.6	8.8	8.3	7.3	6.3	5.8	7.6	29	122	0.6	0.6	0
19....	1.6	9.0	8.6	7.3	6.3	6.3	5.3	29	126	0.6	0.9	0
20....	1.8	9.0	8.6	7.0	6.3	6.7	5.8	31	124	0.7	0.7	0
21....	1.9	8.8	8.6	7.0	6.3	7.3	5.8	41	128	0.4	0.6	0
22....	2.3	8.6	8.3	7.0	6.3	6.3	5.8	55	131	0.9	0.6	0
23....	1.8	8.6	8.3	7.0	6.3	6.3	5.5	70	120	2.8	0.6	0
24....	2.2	8.8	8.3	6.7	6.3	6.3	5.5	79	115	3.0	0.7	0
25....	2.5	9.0	8.3	6.3	6.3	6.3	5.5	89	117	3.2	0.9	0.1
26....	2.2	8.8	8.3	6.3	6.0	6.3	5.8	89	117	2.8	0.7	0.1
27....	2.0	8.4	8.3	6.3	6.0	6.3	6.0	83	83	2.7	0.6	0.4
28....	1.6	7.4	8.0	6.3	6.0	6.3	6.3	79	17	2.7	0.6	1.2
29....	1.6	7.6	8.0	6.3	6.0	6.3	6.3	91	6.3	2.7	0.6	1.2
30....	1.6	8.0	8.3	6.3	....	6.3	6.0	103	3.7	2.7	0.7	0.3
31....	2.0	....	8.0	6.0	....	6.3	....	122	....	2.7	0.7	....
Total	54.6	252.9	272.5	224.1	182.3	189.9	184.1	1289.9	3289.0	52.1	47.5	6.1
Mean.	1.76	8.43	8.79	7.23	6.29	6.13	6.14	41.6	110	1.68	1.53	20
Max.	2.5	9.4	10	8.0	7.0	7.3	7.6	122	148	3.2	2.8	1.2
Min.	1.3	3.9	8.0	6.0	5.5	5.8	5.3	5.8	3.7	0.4	0.6	0
Acre-ft.	108	502	540	444	362	377	365	2560	6520	103	94	12

Total run-off for period=11,990 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of St. Louis Creek Near Fraser, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	16	16	11	10	8.6	6.6	11	71	136	201	57	28
2....	16	16	11	10	8.4	6.4	12	79	162	188	58	26
3....	16	16	10	10	8.2	6.4	14	81	136	172	53	25
4....	15	14	10	10	8.2	6.6	14	81	122	156	50	24
5....	15	16	10	10	8.0	6.8	14	73	120	146	50	23
6....	15	14	11	10	8.0	6.6	14	65	124	141	46	23
7....	15	12	11	10	8.0	6.6	14	58	134	139	43	23
8....	15	13	11	10	8.0	6.4	13	53	146	132	42	23
9....	15	14	11	10	8.0	6.4	14	50	169	127	40	22
10....	14	12	11	10	8.0	6.2	12	50	185	120	38	22
11....	14	13	11	10	7.8	6.2	15	53	188	114	38	21
12....	14	13	11	10	7.8	6.4	12	53	172	106	36	20
13....	16	14	11	10	7.8	6.4	11	53	175	102	34	20
14....	16	14	10	10	7.6	6.2	13	54	169	98	32	20
15....	16	14	10	10	7.4	6.2	15	54	167	95	31	20
16....	17	14	10	10	7.2	6.2	16	52	164	91	37	20
17....	16	*14	9.8	10	7.2	6.4	16	48	175	84	39	20
18....	15	14	9.8	10	7.2	6.4	16	47	185	81	40	20
19....	15	12	9.8	10	7.0	6.4	17	47	195	76	40	24
20....	15	12	9.8	10	*7.1	6.2	21	43	215	79	35	21
21....	15	12	9.8	10	6.8	6.2	23	44	234	79	34	19
22....	15	14	9.8	10	6.8	*6.4	26	43	248	81	33	19
23....	15	16	10	9.8	6.8	6.6	26	49	243	79	32	19
24....	18	12	10	9.8	6.8	6.6	32	58	237	71	36	19
25....	16	12	10	*9.6	6.8	6.6	37	57	229	65	39	19
26....	18	12	9.8	9.6	6.6	6.8	40	61	229	65	32	19
27....	19	12	9.8	9.6	6.6	7.0	37	67	234	64	30	19
28....	16	12	9.8	9.6	6.6	7.4	40	86	229	60	28	19
29....	15	12	9.8	9.4	....	8.0	50	112	220	58	28	21
30....	18	11	9.8	9.0	....	9.0	60	159	232	64	29	24
31....	22	....	9.8	8.8	....	9.8	....	139	....	67	31	....
Total	493	402	317.6	305.2	209.3	208.4	655	2040	5574	3201	1191	642
Mean.	15.9	13.4	10.2	9.85	7.48	6.72	21.8	65.8	186	103	38.4	21.4
Max..	22	16	11	10	8.6	9.8	60	159	248	201	58	28
Min..	14	11	9.8	8.8	6.6	6.2	11	43	120	58	28	19
Acre-ft.	978	797	630	605	415	413	1300	4050	11060	6350	2360	1270

Total run-off for period=30,230 acre-feet.

*Winter discharge measurement made on this day.

Discharge of St. Louis Creek Near Fraser, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	19	15	13	10	9.7	9.6	8.8	9.7	108	151	44	18
2....	16	16	15	10	9.8	9.6	8.8	9.7	108	146	44	18
3....	15	15	14	10	9.8	9.6	9.0	9.8	106	141	43	18
4....	15	15	13	10	9.7	9.4	9.4	10	97	134	40	17
5....	15	15	13	10	9.7	9.4	10	10	86	132	38	17
6....	15	15	12	10	9.7	9.4	9.4	13	89	127	38	17
7....	15	14	12	10	9.8	9.4	9.0	15	102	114	37	17
8....	15	14	12	10	9.7	9.4	9.0	14	110	110	34	16
9....	15	15	12	10	9.7	9.4	9.4	14	141	104	34	16
10....	15	16	12	10	9.6	9.6	10	17	167	102	34	16
11....	15	17	11	10	9.6	9.6	9.8	16	172	98	31	15
12....	15	15	11	10	9.6	9.6	9.4	21	164	89	30	15
13....	16	15	11	9.9	9.6	9.4	9.0	31	162	84	29	15
14....	16	14	11	9.9	9.8	9.4	9.2	36	169	79	28	15
15....	15	15	12	10	10	9.6	9.2	44	180	75	28	15
16....	16	16	11	10	10	10	9.2	54	198	71	28	15
17....	16	15	11	10	10	9.4	9.6	46	195	66	26	14
18....	15	14	11	9.9	9.8	9.2	10	32	182	62	26	14
19....	15	14	11	9.9	9.6	9.8	10	29	204	63	30	14
20....	14	15	11	9.9	9.4	10	9.9	33	223	62	26	14
21....	15	16	11	9.9	9.4	10	9.8	38	229	57	24	14
22....	15	14	11	9.8	9.4	10	9.5	47	220	54	23	14
23....	14	12	11	9.8	9.4	9.4	9.5	60	201	51	23	14
24....	14	12	11	9.8	9.6	9.0	9.7	73	206	57	23	14
25....	15	12	11	9.8	9.6	9.0	9.6	71	204	60	27	14
26....	14	12	11	9.8	9.6	9.0	9.7	64	198	51	23	14
27....	14	11	11	9.8	9.8	9.0	9.8	58	180	49	21	14
28....	14	11	11	9.8	9.8	9.0	9.9	66	175	47	20	14
29....	14	11	11	9.7	9.8	9.0	9.7	80	172	47	20	14
30....	14	12	11	9.7	....	9.0	9.8	95	164	46	20	14
31....	14	....	11	9.7	....	8.8	....	106	....	44	19	....
Total	465	423	360	307.1	281.0	292.0	285.1	1222.2	4912	2573	911	456
Mean.	15.0	14.1	11.6	9.91	9.69	9.42	9.50	39.4	164	83.0	29.4	15.2
Max..	19	17	15	10	10	10	10	106	229	151	44	18
Min..	14	11	11	9.7	9.4	8.8	8.8	9.7	86	44	19	14
Acre-ft.	922	839	714	609	557	579	565	2420	9740	5100	1810	904

Total run-off for period=24,760 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Ranch Creek Near Fraser, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	3.8	4.7	4.0	3.6	3.0	3.0	5.3	48	100	76	11	7.9
2....	3.8	4.9	4.0	3.6	3.0	2.8	6.1	57	113	67	11	6.6
3....	4.0	4.9	4.0	3.6	2.8	3.0	7.1	59	95	59	13	6.1
4....	4.0	4.7	4.0	3.6	2.8	3.1	6.8	60	86	52	13	6.1
5....	4.0	4.9	3.8	3.7	2.8	3.1	7.9	55	85	47	13	6.1
6....	3.8	4.7	4.0	3.7	2.8	3.0	9.3	51	92	42	13	6.3
7....	3.8	4.1	4.0	3.7	2.8	3.0	9.0	45	99	41	12	6.6
8....	3.8	4.4	4.0	3.7	2.8	2.6	7.9	42	111	36	11	6.3
9....	3.8	4.7	4.0	3.7	2.8	2.5	7.6	40	134	34	10	6.3
10....	3.8	4.2	4.0	3.7	2.8	2.5	7.4	39	138	31	10	6.1
11....	4.0	4.2	4.0	3.7	2.8	2.5	6.6	40	132	30	11	6.1
12....	4.2	4.4	4.0	3.7	2.6	2.5	6.6	39	120	27	10	5.8
13....	5.6	4.4	4.0	3.8	2.6	2.5	6.8	38	120	25	9.9	5.6
14....	5.3	4.4	4.0	3.7	2.6	2.5	8.1	39	118	24	9.6	5.4
15....	5.4	4.4	4.0	3.6	2.6	2.5	9.6	41	114	20	9.6	5.3
16....	6.3	4.4	4.0	3.6	2.8	2.5	10	38	110	18	12	5.3
17....	5.4	*4.2	4.0	3.6	2.8	2.5	11	36	114	16	12	5.3
18....	5.1	4.0	4.0	3.6	2.8	2.5	10	36	116	16	12	5.4
19....	4.7	4.0	3.8	3.4	3.0	2.5	13	35	115	16	12	6.6
20....	4.7	4.0	3.8	3.6	3.0	2.5	14	33	115	15	10	5.4
21....	4.7	3.8	3.8	3.6	3.0	2.5	16	33	120	15	10	5.1
22....	4.7	3.8	3.8	3.4	3.0	2.5	15	31	124	18	11	5.1
23....	4.7	5.3	3.7	3.4	3.0	2.4	16	33	121	17	9.3	5.1
24....	6.6	5.1	3.7	3.2	3.0	2.4	20	39	114	15	13	5.1
25....	5.6	4.5	3.7	*3.2	3.0	2.5	23	41	107	15	13	5.1
26....	8.4	4.0	3.7	3.2	3.0	2.4	27	43	101	14	9.9	5.1
27....	7.4	4.2	3.7	3.4	2.8	2.6	25	49	93	14	9.3	5.1
28....	5.1	4.2	3.7	3.4	3.0	3.0	29	62	87	14	8.4	5.3
29....	4.7	4.0	3.7	3.2	....	3.4	33	85	89	12	7.4	5.6
30....	6.6	4.0	3.7	3.1	....	4.0	37	107	89	12	7.9	6.6
31....	7.4	....	3.7	3.0	....	4.5	....	98	....	11	9.3	....
Total	155.2	131.5	120.3	109.0	79.8	85.8	411.1	1492	3272	849	333.6	173.8
Mean.	5.01	4.38	3.88	3.52	2.85	2.77	13.7	48.1	109	27.4	10.8	5.79
Max..	8.4	5.3	4.0	3.8	3.0	4.5	37	107	138	76	13	7.9
Min..	3.8	3.8	3.7	3.0	2.6	2.4	5.3	31	85	11	7.4	5.1
Acre-ft.	307	260	239	216	158	170	\$15	2960	6490	1680	662	345

Total run-off for period=14,300 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Ranch Creek Near Fraser, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	6.2	4.2	3.4	4.3	3.4	3.1	3.0	4.4	99	74	10	5.6
2....	5.2	4.0	3.8	4.3	3.4	3.1	3.0	4.4	99	72	11	5.4
3....	5.0	4.3	3.6	4.3	3.4	3.1	3.1	4.1	96	63	9.8	5.4
4....	4.8	4.3	3.7	4.3	3.4	3.1	3.5	4.1	84	58	9.5	4.8
5....	4.5	4.3	4.1	4.1	3.4	3.1	4.0	5.0	76	55	9.2	4.6
6....	4.5	4.4	4.5	4.1	3.4	3.1	3.8	7.2	76	50	9.0	4.5
7....	4.5	4.2	4.7	4.1	3.4	3.1	3.3	7.8	88	43	8.8	4.5
8....	4.4	3.9	4.6	4.1	3.4	3.1	3.4	6.6	92	36	8.5	4.6
9....	4.5	4.3	4.4	4.1	3.4	3.1	3.7	8.2	120	31	8.5	4.5
10....	4.5	4.3	4.4	4.1	3.4	3.1	3.4	9.8	155	33	8.0	4.4
11....	4.6	4.1	4.5	4.1	3.4	3.0	3.5	9.0	144	31	7.6	4.5
12....	5.1	4.1	4.5	4.1	3.5	3.0	4.0	12	134	29	7.4	4.5
13....	5.0	4.1	4.5	4.1	3.5	2.9	4.0	18	125	23	7.0	4.5
14....	5.1	4.0	4.6	4.1	3.5	3.0	3.7	22	124	22	7.0	4.5
15....	4.6	3.9	4.5	4.1	3.5	3.1	3.5	29	131	22	7.0	4.5
16....	4.5	3.8	4.1	4.1	3.4	3.0	3.5	39	135	20	7.0	4.5
17....	4.8	3.8	4.1	4.1	3.5	3.0	3.5	36	128	18	6.6	4.3
18....	4.3	3.9	4.1	4.1	3.5	3.0	3.9	27	126	16	6.6	3.9
19....	4.3	3.9	4.3	4.0	3.5	3.0	3.5	23	132	16	8.8	3.9
20....	3.9	3.9	4.3	4.0	3.4	3.0	3.5	24	140	18	7.6	4.0
21....	4.5	3.8	4.3	3.9	3.5	3.0	3.5	27	137	18	6.6	3.9
22....	4.5	3.9	4.1	3.9	3.5	3.0	3.5	34	132	16	6.4	4.0
23....	4.4	3.9	4.1	3.9	3.5	3.0	3.4	49	122	14	6.2	3.9
24....	4.8	3.9	4.1	3.9	3.4	3.0	3.4	54	119	16	7.4	3.8
25....	4.1	3.8	4.1	3.9	3.4	3.0	3.4	56	109	20	8.2	3.9
26....	4.1	3.9	4.1	3.8	3.3	3.0	3.5	52	104	16	6.4	3.8
27....	4.3	3.9	4.1	3.9	3.2	3.1	4.1	47	93	16	6.2	3.8
28....	4.3	3.9	4.1	3.8	3.2	3.1	4.8	62	88	15	6.2	3.9
29....	4.4	3.4	4.1	3.8	3.1	3.1	5.1	62	84	14	6.0	3.9
30....	4.4	3.3	4.3	3.7	....	3.1	4.4	81	79	13	6.0	4.0
31....	4.3	....	4.3	3.5	....	3.1	....	96	....	11	6.0	....
Total	142.4	119.4	130.4	124.6	98.8	94.5	109.9	910.6	3371	899	236.5	130.3
Mean.	4.59	3.98	4.21	4.02	3.41	3.05	3.66	29.4	112	29.0	7.63	4.34
Max..	6.2	4.4	4.7	4.3	3.5	3.1	5.1	96	155	74	11	5.6
Min..	3.9	3.3	3.4	3.5	3.1	2.9	3.0	4.1	76	11	6.0	3.8
Acre-ft.	282	237	259	247	196	187	218	1810	6690	1780	469	258

Total run-off for period=12,630 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Ranch Creek Near Tabernash, Colo, for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	7.6	9.1	13	9.0	6.2	6.4	23	132	213	128	18	14
2....	7.6	10	13	8.6	6.4	5.6	30	157	267	113	20	12
3....	7.9	9.5	12	8.2	6.4	5.0	36	183	210	98	22	11
4....	7.6	8.7	11	7.8	6.2	4.7	42	161	181	86	22	11
5....	7.6	7.8	10	7.6	6.4	4.8	48	149	174	75	25	10
6....	7.6	8.6	10	8.0	6.2	4.7	52	140	184	67	23	10
7....	7.6	8.4	10	8.0	6.2	4.5	52	116	195	62	21	10
8....	7.6	8.8	11	8.2	6.4	4.3	52	104	215	58	20	10
9....	7.6	9.5	11	8.2	6.4	4.3	48	92	238	55	19	10
10....	7.2	8.3	12	8.4	6.2	4.4	44	89	253	52	18	10
11....	6.4	8.0	11	8.0	6.0	4.5	40	91	248	46	18	9.5
12....	6.8	7.2	11	8.0	6.2	4.5	36	94	222	42	18	9.1
13....	10	7.4	9.8	8.0	6.2	4.5	40	89	213	36	17	8.7
14....	11	8.6	9.4	8.4	6.2	4.5	44	92	210	34	15	9.1
15....	10	10	9.6	8.0	6.2	4.5	52	108	202	32	15	8.7
16....	14	12	9.8	7.8	6.2	4.5	54	91	192	30	17	8.3
17....	12	*14	10	7.0	6.2	4.6	53	84	190	26	22	8.3
18....	10	14	10	6.0	6.2	4.7	45	81	201	25	21	9.1
19....	9.1	13	10	5.8	6.2	4.7	53	84	195	25	20	11
20....	9.1	13	9.8	6.0	*6.2	4.9	57	76	190	24	17	9.5
21....	8.7	13	9.8	6.2	6.2	4.7	55	76	202	24	15	8.7
22....	8.7	12	9.8	6.4	6.4	4.8	58	74	208	27	18	8.3
23....	10	13	9.6	6.6	6.4	5.4	55	89	204	32	16	8.3
24....	10	13	9.6	6.6	6.4	6.0	67	103	193	26	23	8.3
25....	10	13	9.6	*6.4	6.2	7.8	69	103	186	25	35	8.3
26....	8.7	13	9.6	6.2	5.8	7.8	80	113	175	22	19	8.3
27....	9.1	13	9.6	6.2	5.8	8.6	80	118	156	22	16	10
28....	8.7	13	9.6	6.4	6.2	10	80	154	145	22	15	9.1
29....	8.7	13	9.4	6.6	....	12	99	202	147	19	14	10
30....	7.6	12	9.4	6.6	....	14	101	276	166	19	13	11
31....	10	....	9.4	6.4	....	16	....	226	....	21	16	....
Total	274.5	323.9	318.8	225.6	174.2	191.7	1645	3747	5975	1373	588	289.6
Mean.	8.85	10.8	10.3	7.28	6.22	6.18	54.8	121	199	44.3	19.0	9.65
Max..	14	14	13	9	6.4	16	101	276	267	128	35	14
Min..	6.4	7.2	9.4	5.8	5.8	4.3	23	74	145	19	13	8.3
Acre-ft.	544	642	632	447	346	380	3260	7430	11850	2720	1170	574

Total run-off for period=30,000 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Ranch Creek Near Tabernash, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	13	9.5	6.4	3.6	3.6	5.2	10	22	165	107	18	9.0
2....	11	7.4	6.8	3.8	3.5	5.4	10	22	160	104	19	8.0
3....	10	7.2	6.6	4.0	3.8	5.6	12	22	145	94	17	8.0
4....	9.5	9.0	7.0	3.6	3.7	6.0	13	20	130	84	16	8.0
5....	9.1	11	7.6	3.3	4.0	6.2	14	25	120	80	14	7.4
6....	9.1	11	7.8	3.5	4.2	6.0	13	35	125	69	14	7.0
7....	8.7	9.5	7.8	3.9	4.3	5.4	13	34	140	62	13	6.6
8....	8.7	9.0	7.5	3.9	3.3	5.0	14	30	160	52	13	6.5
9....	8.7	9.8	6.8	3.7	*2.5	6.4	15	29	200	48	13	6.5
10....	8.7	11	6.4	3.5	5.4	8.0	14	33	240	40	12	6.5
11....	8.7	13	6.0	3.5	5.8	7.8	14	36	220	50	11	6.4
12....	10	14	6.0	3.6	4.9	8.0	15	37	200	43	10	6.4
13....	10	*14	6.0	*4.1	4.0	8.0	16	53	190	40	9.6	6.4
14....	11	12	6.0	4.3	3.8	8.2	16	69	180	35	10	6.4
15....	10	11	*5.9	4.4	3.6	*8.4	15	87	190	36	10	6.4
16....	10	10	5.8	3.9	3.4	9.0	15	115	200	34	9.0	6.2
17....	10	9.4	5.5	3.7	3.2	9.2	15	113	187	30	9.0	5.8
18....	10	9.0	5.5	3.8	3.2	8.4	17	99	194	27	8.5	5.5
19....	9.5	8.6	5.6	2.9	3.3	8.0	16	83	203	27	14	5.5
20....	9.1	8.6	5.8	4.1	3.4	8.2	16	74	212	29	13	5.5
21....	8.3	8.6	5.8	4.2	3.7	8.4	19	79	210	29	10	5.5
22....	9.1	8.8	5.6	4.2	4.2	9.0	19	90	196	27	9.6	5.5
23....	10	8.8	5.2	4.2	3.9	8.4	19	118	180	25	8.5	5.5
24....	9.1	9.0	5.2	4.2	4.0	7.8	19	131	178	27	11	5.5
25....	9.5	8.8	5.1	4.1	4.6	8.2	20	134	162	36	17	5.5
26....	9.1	8.2	4.2	3.9	4.6	8.2	22	121	156	28	13	5.5
27....	8.7	7.2	3.1	3.6	4.6	7.6	24	116	139	24	10	5.5
28....	9.1	6.6	2.8	3.4	4.6	7.2	28	125	131	22	10	5.5
29....	9.5	6.4	3.1	3.2	4.6	8.2	30	135	134	21	10	5.5
30....	9.5	6.4	3.4	3.3	....	9.2	32	150	116	20	10	6.0
31....	10	....	3.5	3.6	....	10	....	165	....	19	9.6	....
Total	296.7	282.8	175.8	118.0	115.7	234.6	515	2402	5163	1377	371.8	189.5
Mean.	9.57	9.43	5.67	3.81	3.99	7.57	17.2	77.5	172	44.4	12.0	6.32
Max..	13	14	7.8	4.4	5.8	10	32	165	240	107	19	9.0
Min..	8.3	6.4	2.8	3.2	2.5	5.0	10	20	116	19	8.5	5.5
Acre-ft.	588	561	349	234	229	465	1020	4760	10240	2730	737	376

Total run-off for period=22,290 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Meadow Creek Near Tabernash, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.0	1.3	....	....	....	....	....	....	81	34	3.4	1.5
2....	1.0	1.3	....	....	....	....	....	....	88	27	3.8	1.4
3....	1.0	1.8	....	....	....	....	....	....	62	22	4.9	1.2
4....	1.0	1.3	....	....	....	....	....	....	55	20	3.9	1.2
5....	1.0	1.0	....	....	....	....	....	....	57	17	4.9	1.2
6....	1.0	1.1	....	....	....	....	....	....	64	16	4.1	1.2
7....	1.0	1.0	....	....	....	....	....	....	81	14	3.6	1.1
8....	1.0	1.2	....	....	....	....	....	....	91	12	3.5	1.1
9....	1.1	1.2	....	....	....	....	....	....	99	10	3.0	1.0
10....	1.1	1.2	....	....	....	....	....	....	91	9.9	2.9	1.0
11....	1.1	1.2	....	....	....	....	....	....	79	9.1	2.8	1.0
12....	1.1	1.2	....	....	....	....	....	....	63	8.3	2.7	1.0
13....	1.5	Nov. 1 to 12	....	....	....	....	....	....	62	8.2	2.3	1.0
14....	2.0		....	....	....	....	....	....	60	7.5	2.1	1.0
15....	2.0	....	....	....	....	....	....	....	57	6.8	2.0	1.0
16....	2.3	....	....	....	....	....	....	....	50	6.8	2.3	0.9
17....	2.2	....	....	....	....	....	....	....	55	6.0	3.1	0.9
18....	1.9	....	....	....	....	....	....	....	63	5.7	3.0	1.0
19....	1.8	....	....	....	....	....	....	....	61	5.5	2.7	1.5
20....	1.8	....	....	....	....	....	....	....	60	5.2	2.2	1.1
21....	1.8	....	....	....	....	....	....	....	66	5.3	2.1	1.0
22....	1.8	....	....	....	....	....	....	....	69	6.2	2.2	0.9
23....	1.7	....	....	....	....	....	....	....	63	6.0	2.1	0.9
24....	1.9	....	....	....	....	....	....	40	58	5.3	4.2	0.9
25....	2.0	....	....	....	....	....	....	49	62	4.9	7.2	0.8
26....	1.8	....	....	....	....	....	....	55	56	4.6	3.9	0.8
27....	1.8	....	....	....	....	....	....	60	45	4.1	2.4	0.9
28....	1.8	....	....	....	....	....	....	91	43	4.1	1.9	0.9
29....	1.4	....	....	....	....	....	....	97	41	3.9	1.8	1.0
30....	1.3	....	....	....	....	....	....	118	45	3.8	1.8	1.2
31....	1.3	....	....	....	....	....	....	88	....	3.5	1.9	....
Total	46.5	14.8	....	....	....	....	....	1127	1927	302.7	94.7	31.6
Mean.	1.50	1.23	....	....	....	....	....	36.4	64.2	9.76	3.05	1.05
Max.	2.3	1.8	....	....	....	....	....	118	99	34	7.2	1.5
Min.	1.0	1.0	....	....	....	....	....	....	41	3.5	1.8	0.8
Acre-ft.	92	29	....	....	....	....	....	2240	3820	600	188	63

Total run-off for period = 7,032 acre-feet.

Discharge of Meadow Creek Near Tabernash, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.6	1.6	....	....	....	....	0.5	30	80	22	2.7	1.0
2....	1.2	1.0	....	....	....	....	0.5	30	70	21	2.8	0.9
3....	1.0	1.1	....	....	....	....	0.5	30	63	20	2.4	0.9
4....	0.9	1.4	....	....	....	....	0.5	30	52	18	2.2	0.9
5....	0.9	1.6	....	....	....	....	0.5	30	47	18	2.1	0.9
6....	0.9	1.5	....	....	....	....	0.5	30	63	16	2.2	0.9
7....	0.8	1.2	....	....	....	....	0.5	30	81	14	2.1	0.7
8....	0.8	1.0	....	....	....	....	0.5	30	97	13	2.0	0.7
9....	0.8	1.3	....	....	....	....	0.5	30	144	12	2.0	0.7
10....	0.8	1.5	....	....	....	....	0.5	30	139	12	2.0	0.7
11....	0.8	1.6	....	....	....	....	0.5	30	111	11	1.6	0.7
12....	1.2	Nov. 1 to 12	....	....	....	....	0.5	30	92	9.8	1.5	0.7
13....	1.4		....	....	....	....	0.5	30	82	8.7	1.4	0.7
14....	1.5	....	....	....	....	....	0.5	30	75	7.7	1.2	0.6
15....	1.2	....	....	....	....	....	0.5	30	76	7.5	1.3	0.7
16....	1.4	....	....	....	....	....	0.5	30	71	7.5	1.3	0.7
17....	1.6	....	....	....	....	....	0.5	30	64	6.5	1.3	0.7
18....	1.6	....	....	....	....	....	0.5	30	63	6.3	1.2	0.7
19....	1.5	....	....	....	....	....	0.5	30	68	6.5	1.8	0.7
20....	1.0	....	....	....	....	....	0.5	30	71	7.5	1.8	0.7
21....	1.2	....	....	....	....	....	*0.5	30	61	7.0	1.3	0.6
22....	1.0	....	....	....	....	....	0.5	30	54	6.0	1.2	0.6
23....	1.0	....	....	....	....	....	0.5	*30	49	5.2	1.1	0.6
24....	1.0	....	....	....	....	....	0.5	30	47	5.4	1.5	0.5
25....	1.0	....	....	....	....	....	0.5	30	43	6.8	2.2	0.6
26....	1.0	....	....	....	....	....	0.5	30	43	5.2	1.6	0.6
27....	1.1	....	....	....	....	....	0.5	30	34	4.0	1.3	0.6
28....	1.3	....	....	....	....	....	0.5	30	30	3.5	1.1	0.6
29....	1.3	....	....	....	....	....	0.5	30	36	3.2	1.0	0.6
30....	1.0	....	....	....	....	....	0.5	30	26	2.8	1.1	0.6
31....	1.0	....	....	....	....	....	0.5	30	....	2.7	1.0	....
Total	34.8	16.4	....	....	....	....	15.0	930	2032	296.8	51.3	21.2
Mean.	1.12	1.37	....	....	....	....	0.5	30	67.7	9.57	1.65	0.71
Max.	1.6	1.6	....	....	....	....	....	....	144	22	2.8	1.0
Min.	0.8	1.0	....	....	....	....	....	....	26	2.7	1.0	0.6
Acre-ft.	69	33	....	....	....	....	30	1840	4030	589	102	42

Total run-off for period = 6,735 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Strawberry Creek Near Granby, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.4	0.6	....	....	....	....	....	57	27	18	2.0	0.9
2....	0.4	0.7	....	....	....	....	....	61	44	18	3.0	0.6
3....	0.5	0.6	....	....	....	....	....	60	28	12	3.0	0.4
4....	0.6	0.1	....	....	....	....	....	62	23	15	2.9	0.4
5....	0.6	0.0	....	....	....	....	....	54	20	14	2.9	0.4
6....	0.4	0.0	....	....	....	....	....	51	18	11	2.7	0.4
7....	0.4	0.0	....	....	....	....	....	42	17	11	2.7	0.4
8....	0.6	0.0	....	....	....	....	....	38	16	12	2.6	0.3
9....	0.6	0.0	....	....	....	....	....	30	14	12	2.5	0.3
10....	0.6	Nov. 1 to 9	....	....	....	....	....	27	12	11	2.4	0.2
11....	0.7		....	....	....	....	....	28	13	10	2.2	0.2
12....	0.7	....	....	....	....	....	....	26	11	9.6	2.2	0.2
13....	0.9	....	....	....	....	....	....	22	9.6	7.8	1.9	0.2
14....	1.9	....	....	....	....	....	Apr. 16 to 30	22	8.1	6.8	1.4	0.2
15....	1.9	....	....	....	....	....		26	11	6.5	1.2	0.2
16....	2.2	....	....	....	....	....	13	21	14	6.5	1.4	0.2
17....	1.6	....	....	....	....	....	14	19	14	6.3	2.6	0.2
18....	1.4	....	....	....	....	....	14	18	15	5.8	2.4	0.3
19....	1.0	....	....	....	....	....	21	18	14	5.8	1.9	0.5
20....	0.9	....	....	....	....	....	21	16	13	5.6	1.7	0.4
21....	0.9	....	....	....	....	....	23	16	12	5.4	1.6	0.3
22....	1.0	....	....	....	....	....	25	16	13	5.8	1.7	0.3
23....	1.0	....	....	....	....	....	30	16	15	6.0	1.6	0.3
24....	1.4	....	....	....	....	....	30	15	14	3.7	3.0	0.3
25....	1.6	....	....	....	....	....	32	12	15	3.6	4.5	0.3
26....	1.3	....	....	....	....	....	33	15	15	3.7	2.5	0.3
27....	2.2	....	....	....	....	....	32	16	14	3.7	1.5	0.4
28....	1.4	....	....	....	....	....	37	20	16	3.7	1.3	0.4
29....	1.5	....	....	....	....	....	42	26	20	3.4	1.2	0.4
30....	0.8	....	....	....	....	....	47	54	22	3.4	1.2	0.5
31....	1.3	....	....	....	....	....	....	37	....	2.6	1.3	....
Total	32.7	2.0	....	....	....	....	414	941	497.7	249.7	67.0	10.4
Mean.	1.05	0.22	....	....	....	....	27.6	30.4	16.6	8.05	2.16	0.35
Max..	2.2	0.7	....	....	....	....	47	62	44	18	4.5	0.9
Min..	0.4	0	....	....	....	....	13	12	8.1	2.6	1.2	0.2
Acre-ft.	65	40	....	....	....	....	821	1870	987	495	133	21

Total run-off for period=4,400 acre-feet.

Discharge of Strawberry Creek Near Granby, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.6	0.7	....	....	....	....	....	1.4	60	7.1	0.3	0.3
2....	0.6	0.7	....	....	....	....	....	1.5	53	9.8	0.3	0.3
3....	0.6	0.6	....	....	....	....	....	1.6	44	14	0.4	0.3
4....	0.6	0.6	....	....	....	....	....	1.6	41	12	0.3	0.3
5....	0.6	0.6	....	....	....	....	....	1.8	39	12	0.3	0.3
6....	0.6	0.5	....	....	....	....	....	2.8	31	10	0.3	0.3
7....	0.6	0.5	....	....	....	....	....	4.4	31	8.9	0.3	0.3
8....	0.6	0.4	....	....	....	....	....	5.4	28	7.4	0.3	0.2
9....	0.6	0.5	....	....	....	....	....	5.6	28	7.7	0.3	0.1
10....	0.6	0.5	....	....	....	....	....	6.0	26	6.3	0.3	0.1
11....	0.6	0.5	....	....	....	....	....	6.4	22	4.7	0.4	0.1
12....	0.6	0.6	....	....	....	....	....	7.0	20	4.0	0.4	0.1
13....	0.6	*0.6	....	....	....	....	....	8.0	17	3.3	0.4	0.1
14....	0.6	0.6	....	....	....	....	....	9.2	19	2.7	0.4	0.1
15....	0.6	0.6	....	....	....	....	....	13	17	2.2	0.5	0.1
16....	0.6	0.6	....	....	....	....	....	20	8.6	1.6	0.5	0.1
17....	0.6	0.6	....	....	....	....	....	45	7.7	1.2	0.5	0.1
18....	0.6	0.6	....	....	....	....	....	44	6.0	1.1	0.4	0.1
19....	0.6	0.6	....	....	....	....	....	42	3.3	1.2	0.6	0
20....	0.6	0.6	....	....	....	....	....	40	2.4	1.6	0.8	0
21....	0.7	0.6	....	....	....	....	....	41	3.8	1.0	0.4	0
22....	0.7	0.6	....	....	....	....	....	43	14	0.5	0.3	0
23....	0.7	0.6	....	....	....	....	....	44	14	0.3	0.3	0
24....	0.7	0.6	....	....	....	....	....	48	13	0.3	0.3	0
25....	0.7	0.6	....	....	....	....	....	50	12	0.9	1.1	0
26....	0.7	0.5	....	....	....	....	....	48	10	0.5	0.5	0
27....	0.7	0.4	....	....	....	....	....	46	10	0.9	0.3	0
28....	0.7	0.4	....	....	....	....	....	52	8.9	1.4	0.3	0
29....	0.7	0.4	....	....	....	....	....	54	12	1.1	0.3	0.1
30....	0.7	0.5	....	....	....	....	....	62	7.7	0.8	0.3	0.1
31....	0.7	....	....	....	....	....	....	64	....	0.3	0.3	....
Total	19.7	16.7	....	....	....	....	....	818.7	609.4	126.8	12.4	3.5
Mean.	0.64	0.56	....	....	....	....	....	26.4	20.3	4.09	0.40	0.12
Max..	0.7	0.7	....	....	....	....	....	64	60	14	1.1	0.3
Min..	0.6	0.4	....	....	....	....	....	1.4	2.4	0.3	0.3	0
Acre-ft.	39	33	....	....	....	....	....	1620	1210	252	25	69

Total run-off for period=3,186 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Williams Fork River Near Leal, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	32	35	23	22	20	19	31	197	319	512	77	49
2....	32	35	24	22	20	19	35	211	412	445	85	46
3....	33	34	24	22	20	19	39	226	319	399	81	44
4....	32	34	24	22	22	18	42	234	277	362	70	43
5....	32	30	24	21	20	18	44	192	281	325	72	42
6....	32	31	23	21	19	18	47	166	323	301	74	39
7....	31	30	26	21	19	18	48	142	372	276	64	38
8....	30	30	25	21	19	18	45	126	435	200	64	38
9....	31	30	25	21	19	18	40	114	507	186	62	38
10....	30	26	25	21	18	18	39	116	564	174	58	38
11....	30	26	25	20	19	18	34	125	582	166	60	38
12....	30	26	24	20	18	17	35	132	480	158	64	37
13....	33	27	23	20	19	17	36	128	465	151	59	36
14....	34	28	23	20	19	18	39	132	445	148	55	36
15....	35	29	23	20	19	17	44	134	450	140	54	36
16....	37	27	23	20	19	17	48	116	435	131	64	35
17....	36	27	23	20	19	17	47	104	475	122	72	35
18....	34	28	23	20	19	17	48	100	558	117	72	38
19....	35	27	22	20	19	19	51	98	576	113	74	41
20....	36	27	23	20	19	17	62	93	648	113	63	38
21....	36	26	23	20	19	18	68	98	750	112	58	36
22....	36	22	23	20	19	17	76	93	798	119	58	35
23....	36	26	23	20	19	18	73	105	828	122	53	35
24....	35	25	23	20	19	19	90	128	804	105	62	33
25....	36	24	23	20	19	18	104	136	774	98	72	32
26....	34	23	23	20	17	18	114	156	756	89	55	33
27....	35	26	23	20	19	19	107	162	708	86	50	34
28....	36	25	23	20	19	20	112	229	660	80	48	33
29....	36	23	23	20	....	22	136	308	600	73	48	34
30....	32	25	23	20	....	26	160	426	636	77	50	39
31....	33	....	23	20	....	30	....	346	....	78	56	....
Total	1040	832	728	634	535	582	1894	5073	16237	5583	1954	1129
Mean.	33.5	27.7	23.4	20.4	19.1	18.8	63.1	164	541	180	63.0	37.6
Max..	37	35	26	22	22	30	160	426	828	512	85	49
Min..	30	22	22	20	17	17	31	93	277	77	48	32
Acre-ft.	2060	1650	1440	1260	1060	1150	3760	10060	32200	11070	3880	2240

Total run-off for period=71,830 acre-feet.

Discharge of Williams Fork River Near Leal, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	38	38	24	21	20	18	17	23	331	442	58	32
2....	37	31	25	21	20	18	17	23	319	426	57	31
3....	35	36	24	21	20	18	17	21	296	396	54	30
4....	34	38	24	20	21	18	18	21	271	372	51	29
5....	34	39	25	20	21	18	18	26	233	271	51	29
6....	34	37	25	21	21	18	20	34	238	251	51	29
7....	35	36	25	20	21	18	18	41	285	233	49	28
8....	36	36	25	20	20	18	20	37	285	216	46	28
9....	35	36	25	21	21	17	21	42	347	202	46	27
10....	35	35	24	21	21	17	18	52	450	194	45	27
11....	36	35	24	20	21	17	20	51	515	190	43	27
12....	38	35	24	20	21	17	21	62	477	171	42	26
13....	38	34	24	20	20	17	22	103	459	162	42	26
14....	40	34	24	20	20	17	20	140	495	147	42	26
15....	40	32	23	20	20	17	20	173	540	140	42	25
16....	45	32	23	20	19	17	19	221	620	132	41	26
17....	44	32	22	20	20	18	19	214	585	118	40	25
18....	44	32	22	20	19	18	19	145	565	111	42	26
19....	44	30	23	20	19	17	20	112	625	111	49	27
20....	41	29	23	20	19	18	19	114	724	124	45	27
21....	39	28	24	20	18	18	20	128	778	116	39	26
22....	42	28	23	20	19	17	20	165	766	102	39	27
23....	41	28	23	20	19	18	20	226	684	95	37	27
24....	39	27	23	20	19	18	20	254	689	105	39	27
25....	41	26	22	20	19	17	20	249	656	120	51	27
26....	42	23	23	20	19	18	20	228	656	91	39	27
27....	40	23	22	20	19	18	21	211	565	78	36	27
28....	42	25	23	20	18	18	24	223	515	72	34	27
29....	41	23	23	20	18	18	23	268	510	69	34	27
30....	39	23	22	20	....	18	22	310	486	68	35	27
31....	39	....	22	20	....	18	....	325	....	61	33	....
Total	1208	941	728	626	572	547	593	4243	14965	5386	1352	820
Mean.	39.0	31.4	23.5	20.2	19.7	17.6	19.8	137	499	174	43.6	27.3
Max..	45	39	25	21	21	18	24	325	778	442	58	32
Min..	34	23	22	20	18	17	17	21	233	61	33	25
Acre-ft.	2400	1870	1440	1240	1130	1080	1180	8420	29680	10680	2680	1630

Total run-off for period=63,430 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Williams Fork River Near Parshall, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	35	55	35	32	30	37	68	248	455	560	74	63
2....	35	55	36	32	31	36	74	276	620	495	88	56
3....	37	52	34	35	32	33	80	294	565	440	93	54
4....	37	54	33	32	31	35	95	320	490	405	86	51
5....	37	47	32	30	33	38	97	272	465	375	82	50
6....	37	55	31	32	31	37	104	248	480	335	104	43
7....	48	54	31	32	33	33	102	212	515	294	93	38
8....	41	51	33	32	34	35	100	188	560	212	95	38
9....	41	55	34	32	33	36	75	174	575	180	89	37
10....	41	42	34	33	31	37	74	180	630	161	82	38
11....	43	38	33	33	32	37	63	194	645	146	82	37
12....	43	39	32	32	32	38	64	202	595	130	80	35
13....	45	42	31	32	33	39	70	188	570	113	75	35
14....	48	45	31	35	33	39	86	191	545	152	68	35
15....	51	46	32	36	33	36	113	212	550	184	64	34
16....	54	40	33	35	33	36	122	194	525	167	68	33
17....	54	38	32	34	33	38	120	180	530	130	89	34
18....	50	40	32	33	34	39	120	164	580	69	100	36
19....	48	*37	32	30	34	*38	125	149	590	79	100	41
20....	50	35	32	33	36	37	146	132	620	80	91	41
21....	50	34	31	34	38	38	143	132	705	89	77	40
22....	51	31	31	35	38	37	164	115	715	113	77	40
23....	52	34	32	36	37	38	152	120	735	155	74	42
24....	50	35	33	34	37	40	177	158	710	122	79	42
25....	51	37	33	32	36	39	188	161	685	115	113	41
26....	46	33	33	30	33	38	188	177	685	106	70	37
27....	48	37	32	32	35	42	177	174	670	102	63	37
28....	52	34	32	33	36	46	167	248	650	74	57	43
29....	51	34	32	34	....	52	177	350	625	55	56	43
30....	50	34	32	34	....	58	184	585	665	55	56	46
31....	54	....	31	35	....	64	....	510	....	77	69	....
Total	1430	1263	1005	1022	942	1226	3615	6948	17950	5770	2494	1240
Mean.	46.1	42.1	32.4	33.0	33.6	39.5	120	224	598	186	80.5	41.3
Max..	54	55	36	36	38	64	188	585	735	560	113	63
Min..	35	31	31	30	30	33	63	115	455	55	56	33
Acre-ft.	2840	2510	1990	2030	1870	2430	7170	13780	35600	11440	4950	2460

Total run-off for period=89,070 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Williams Fork River Near Parshall, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	48	52	37	34	33	28	34	47	546	464	52	21
2....	47	41	47	36	32	29	30	52	522	447	52	20
3....	41	52	41	38	30	30	32	44	498	415	50	20
4....	37	57	41	36	31	28	33	41	456	390	48	20
5....	36	54	43	33	32	30	38	48	405	276	46	19
6....	36	50	48	35	32	30	40	72	390	230	55	18
7....	30	44	50	37	33	28	35	104	464	205	62	18
8....	21	64	47	30	30	25	36	93	510	174	59	18
9....	21	54	42	29	31	29	39	95	558	155	57	18
10....	20	54	44	31	31	30	35	130	648	140	56	17
11....	21	55	45	32	30	27	41	128	696	135	52	17
12....	22	51	36	30	*28	29	44	138	660	115	48	17
13....	23	52	38	32	30	29	48	177	606	102	46	28
14....	25	47	46	33	28	30	43	219	630	91	45	38
15....	26	48	42	34	30	27	40	248	636	82	44	35
16....	35	50	43	36	24	28	38	298	714	79	44	21
17....	44	50	*45	*34	26	*29	38	335	684	70	43	21
18....	42	51	46	35	26	27	37	219	636	64	30	21
19....	40	48	*47	37	26	26	39	174	672	57	24	23
20....	36	47	48	37	26	28	38	167	733	64	23	24
21....	33	47	48	35	26	29	39	184	785	66	21	26
22....	36	50	45	36	30	28	36	216	798	57	19	30
23....	36	46	43	35	28	30	37	294	726	50	17	30
24....	33	46	45	34	28	31	37	395	714	51	18	31
25....	36	45	42	33	31	30	38	390	684	74	31	31
26....	36	39	43	32	29	28	39	365	672	50	23	31
27....	35	32	40	33	28	29	43	330	618	41	21	81
28....	35	38	36	29	29	28	51	350	552	37	20	31
29....	37	34	39	31	27	30	47	436	564	60	20	33
30....	37	32	40	31	....	34	48	504	528	89	21	33
31....	42	....	37	32	....	35	....	540	....	75	21	....
Total	1047	1430	1334	1040	845	899	1173	6833	18305	4405	1168	741
Mean.	33.8	47.7	43.0	33.5	29.1	29.0	39.1	220	610	142	37.7	24.7
Max..	48	64	50	38	33	35	51	540	798	464	62	38
Min..	20	32	36	29	24	25	30	41	390	37	17	17
Acre-ft.	2080	2840	2650	2060	1680	1780	2330	13550	36310	8740	2320	1470

Total run-off for period=77,810 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Keyser Creek Near Leal, Colo., for Year Ending Sept. 30, 1942.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	7.0
2....	6.6
3....	6.3
4....	7.0
5....	7.4
6....	7.0
7....	6.6
8....	6.3
9....	6.0
10....	6.3
11....	8.2
12....	7.4
13....	6.6
14....	6.3
15....	6.0
16....	5.2
17....	4.9
18....	5.6
19....	6.3
20....	6.0
21....	5.6
22....	5.2
23....	5.2
24....	4.9
25....	4.9
26....	4.9
27....	4.9
28....	4.9
29....	6.6	4.6
30....	7.4	4.6
31....	7.0	...
Total	21.0	178.7
Mean.	5.96
Max.	8.2
Min.	4.6
Acre-ft.	354

Total run-off for period=354 acre-feet.

Discharge of Keyser Creek Near Leal, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	4.6	.....	.....	.....	.....	.....	.....	.....	79	89	18	10
2....	4.2	.....	.....	.....	.....	.....	.....	.....	93	75	22	9.8
3....	4.6	.....	.....	.....	.....	.....	.....	.....	68	69	20	9.4
4....	4.2	.....	.....	.....	.....	.....	.....	.....	70	64	16	8.6
5....	4.2	.....	.....	.....	.....	.....	.....	.....	60	59	18	8.2
6....	4.2	.....	.....	.....	.....	.....	.....	.....	60	56	17	8.2
7....	4.2	.....	.....	.....	.....	.....	.....	.....	66	53	16	7.8
8....	4.2	.....	.....	.....	.....	.....	.....	.....	70	48	15	7.4
9....	4.2	.....	.....	.....	.....	.....	.....	.....	83	46	14	7.0
10....	4.2	.....	.....	.....	.....	.....	.....	.....	90	42	14	7.0
11....	3.8	.....	.....	.....	.....	.....	.....	.....	95	39	14	7.0
12....	3.8	.....	.....	.....	.....	.....	.....	.....	86	36	13	6.6
13....	4.9	.....	.....	.....	.....	.....	.....	.....	83	34	12	6.3
14....	4.6	.....	.....	.....	.....	.....	.....	.....	75	31	11	6.0
15....	4.9	.....	.....	.....	.....	.....	.....	.....	71	29	11	6.0
16....	5.2	.....	.....	.....	.....	.....	.....	.....	70	28	13	5.6
17....	4.9	.....	.....	.....	.....	.....	.....	.....	73	26	14	6.0
18....	4.6	.....	.....	.....	.....	.....	.....	.....	80	25	15	6.6
19....	4.6	.....	.....	.....	.....	.....	.....	.....	85	24	17	7.0
20....	4.6	.....	.....	.....	.....	.....	.....	.....	97	24	14	5.6
21....	4.6	.....	.....	.....	.....	.....	.....	.....	21	100	24	5.2
22....	4.6	.....	.....	.....	.....	.....	.....	.....	20	110	24	4.9
23....	4.2	.....	.....	.....	.....	.....	.....	.....	24	110	24	4.9
24....	3.8	.....	.....	.....	.....	.....	.....	.....	30	107	22	4.9
25....	4.4	.....	.....	.....	.....	.....	.....	.....	30	107	21	4.9
26....	4.2	.....	.....	.....	.....	.....	.....	.....	30	109	20	5.6
27....	4.2	.....	.....	.....	.....	.....	.....	.....	35	105	20	5.6
28....	4.0	.....	.....	.....	.....	.....	.....	.....	45	97	18	5.6
29....	3.8	.....	.....	.....	.....	.....	.....	.....	65	100	18	6.0
30....	3.4	.....	.....	.....	.....	.....	.....	.....	110	105	18	6.0
31....	5.0	.....	.....	.....	.....	.....	.....	.....	74	...	18	...
Total	134.9	.....	.....	.....	.....	.....	.....	.....	524	2604	1124	199.7
Mean.	4.35	.....	.....	.....	.....	.....	.....	.....	40.3	86.8	36.3	14.4
Max.	5.2	.....	.....	.....	.....	.....	.....	.....	110	110	89	22
Min.	3.4	.....	.....	.....	.....	.....	.....	.....	20	60	18	4.9
Acre-ft.	268	.....	.....	.....	.....	.....	.....	.....	1040	5160	2230	396

Total run-off for period=9,709 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Keyser Creek Near Leal, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	5.2	4.0	3.5	3.2	3.0	3.5	3.6	3.7	69	66	17	6.0
2....	5.2	4.0	3.5	3.2	3.0	3.5	3.6	3.7	68	64	16	5.8
3....	5.2	4.0	3.5	3.2	3.0	3.5	3.6	3.7	64	60	15	5.6
4....	4.9	4.0	3.5	3.2	3.0	3.5	3.6	3.8	51	58	15	5.4
5....	4.9	4.0	3.5	3.2	3.0	3.5	3.6	4.0	54	56	14	5.2
6....	4.6	4.0	3.5	3.2	3.0	3.5	3.6	5.4	62	53	13	5.0
7....	4.6	4.0	3.5	3.2	3.0	3.5	3.6	7.2	68	49	13	4.8
8....	4.2	4.0	3.5	3.2	3.0	3.5	2.6	6.8	77	46	13	4.6
9....	3.8	4.0	3.5	3.2	3.0	3.5	3.6	6.6	90	43	12	4.6
10....	3.5	4.0	3.5	3.2	3.0	3.5	3.6	8.4	103	43	12	4.4
11....	4.6	4.0	3.5	3.2	3.0	3.5	3.6	7.8	101	40	12	4.2
12....	4.2	4.0	3.5	3.2	3.0	3.5	3.6	8.8	96	36	11	4.2
13....	5.6	4.0	3.5	3.2	3.0	3.5	3.6	12	94	33	11	4.2
14....	5.2	4.0	3.5	3.2	3.0	3.5	3.6	16	94	30	10	4.2
15....	4.9	4.0	3.5	3.2	3.0	3.5	3.6	22	97	29	9.8	4.0
16....	5.6	4.0	3.5	3.2	3.0	3.5	3.6	30	97	27	9.2	3.8
17....	5.6	*4.0	3.5	3.2	3.0	3.5	3.6	25	93	25	9.0	3.8
18....	4.9	4.0	3.5	3.2	3.0	3.5	3.6	22	89	23	9.2	3.8
19....	4.6	4.0	3.5	3.2	3.0	3.5	3.6	19	96	24	9.8	3.8
20....	4.6	4.0	3.5	3.2	3.0	3.5	3.6	18	99	23	9.2	3.8
21....	4.8	4.0	3.5	3.2	3.0	3.5	3.6	21	101	22	8.2	3.8
22....	4.8	4.0	3.5	3.2	3.0	3.5	3.6	25	99	20	7.6	3.8
23....	4.7	4.0	3.5	3.2	3.0	3.5	3.6	32	97	20	7.4	3.8
24....	4.6	4.0	3.5	3.2	3.0	3.5	3.6	39	97	21	7.4	3.8
25....	4.8	4.0	3.5	3.2	3.0	3.5	3.6	42	97	23	8.4	3.6
26....	4.7	4.0	3.5	3.2	3.0	3.5	3.6	37	88	21	7.8	3.6
27....	4.6	4.0	3.5	3.2	3.0	3.5	3.6	36	78	19	7.0	3.6
28....	4.5	4.0	3.5	3.2	3.0	3.5	3.6	45	79	19	6.8	3.6
29....	4.5	4.0	3.5	3.2	3.0	3.5	3.6	53	77	18	6.4	3.6
30....	4.5	4.0	3.5	3.2	....	3.5	3.6	60	71	18	6.2	3.7
31....	4.5	....	3.5	3.2	....	3.5	....	66	....	17	6.2	....
Total	146.9	120.0	108.5	99.2	87.0	108.5	108.0	689.9	2546	1046	319.6	128.1
Mean.	4.74	4.0	3.5	3.2	3.0	3.5	3.6	22.3	84.9	33.7	10.3	4.27
Max..	5.6	....	....	....	....	....	....	30	103	66	17	6.0
Min..	3.5	....	....	....	....	....	....	3.7	51	17	6.2	3.6
Acre-ft.	291	238	215	197	173	215	214	1370	5050	2070	634	254

Total run-off for period=10,920 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Troublesome Creek at Atmore Ranch Near Troublesome, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	11	10	....	....	....	....	17	126	102	24	5.0	11
2....	11	11	....	....	....	....	15	132	100	22	4.8	11
3....	11	10	....	....	....	....	23	134	110	21	11	11
4....	11	11	....	....	....	....	24	129	107	19	16	11
5....	11	9.0	....	....	....	....	27	120	104	17	15	7.7
6....	11	9.6	....	....	....	....	35	101	83	15	15	7.2
7....	11	8.2	....	....	....	....	36	82	74	15	15	8.2
8....	11	7.7	....	....	....	....	34	72	70	16	14	9.5
9....	11	11	....	....	....	....	26	60	66	15	14	10
10....	11	9.8	....	....	....	....	27	57	63	14	14	10
11....	11	9.0	....	....	....	....	25	54	61	14	14	9.0
12....	11	9.6	....	....	....	....	22	60	57	13	13	4.3
13....	12	10	....	....	....	....	25	62	53	13	13	1.8
14....	12	11	....	....	....	....	35	65	49	12	11	3.4
15....	11	11	....	....	....	....	39	65	44	12	11	5.0
16....	11	9.8	....	....	....	....	50	58	39	12	11	6.4
17....	11	10	....	....	....	....	60	56	34	11	13	7.2
18....	11	11	....	....	....	....	56	53	34	11	14	8.2
19....	9.5	11	....	....	....	Mar. 21	66	51	34	10	14	4.3
20....	9.0	7.7	....	....	....	to 31	72	48	32	9.5	13	2.3
21....	9.0	Nov. 1	....	....	....	15	76	48	33	9.5	12	2.9
22....	9.0	to 20	....	....	....	16	77	48	31	9.5	13	3.6
23....	12	....	....	....	....	17	88	54	31	10	12	4.5
24....	10	....	....	....	....	16	89	56	29	9.5	13	4.8
25....	10	....	....	....	....	13	95	54	29	9.5	13	4.8
26....	11	....	....	....	....	17	94	53	29	9.5	13	6.4
27....	7.7	....	....	....	....	15	86	56	28	9.5	12	7.7
28....	10	....	....	....	....	16	89	70	24	9.5	12	2.9
29....	11	....	....	....	....	20	102	98	23	7.7	12	1.0
30....	8.6	....	....	....	....	21	115	123	26	5.4	11	2.9
31....	11	....	....	....	....	21	....	116	....	5.4	11	....
Total	327.8	197.4	....	....	....	187	1625	2358	1599	389.5	386.8	190.0
Mean.	10.6	9.87	....	....	....	17.0	54.2	76.1	53.3	126	12.5	6.33
Max..	12	11	....	....	....	21	115	134	110	24	16	11
Min..	7.7	7.7	....	....	....	13	15	48	23	54	4.8	1.0
Acre-ft.	650	392	....	....	....	371	3220	4680	3170	773	767	377

Total run-off for period=14,400 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Troublesome Creek Near Troublesome, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	21	25	35	29	21	20	45	404	246	56	27	18
2....	21	26	37	28	20	18	50	404	392	33	39	17
3....	18	26	36	29	20	17	56	420	340	33	36	16
4....	16	26	35	28	21	18	62	392	285	32	33	16
5....	14	25	34	27	21	19	66	352	285	28	31	16
6....	14	24	35	29	22	21	72	288	232	21	39	15
7....	14	24	36	29	23	22	76	229	201	15	38	16
8....	14	24	37	28	23	22	80	190	198	16	46	16
9....	18	24	38	26	23	22	82	168	174	17	36	16
10....	21	24	39	25	*22	*21	82	148	159	19	33	16
11....	21	23	39	*24	22	20	82	133	162	19	31	16
12....	20	20	38	24	21	20	78	128	145	17	30	16
13....	21	20	35	24	20	22	76	136	124	14	28	16
14....	20	21	30	24	19	22	91	133	110	14	25	15
15....	20	21	30	25	18	23	114	133	97	15	23	15
16....	18	24	29	25	17	23	143	126	83	21	24	15
17....	18	29	28	25	17	23	168	112	69	25	26	15
18....	18	30	29	23	*16	24	165	91	56	19	30	16
19....	18	29	30	20	17	*25	177	79	51	16	29	18
20....	17	29	31	18	18	25	236	65	46	14	24	17
21....	18	33	31	19	19	24	250	58	45	16	21	17
22....	18	31	32	*19	19	25	271	53	32	24	21	17
23....	14	38	34	20	19	26	299	53	29	21	20	16
24....	12	34	35	21	20	27	302	58	24	17	26	16
25....	14	30	34	21	20	27	310	54	23	23	30	16
26....	16	27	33	21	19	30	320	49	28	29	24	16
27....	16	30	33	20	18	34	299	56	28	23	21	16
28....	16	30	33	20	19	32	274	63	27	23	19	15
29....	17	30	34	21	....	34	299	131	21	23	19	14
30....	18	34	34	22	....	36	348	360	81	23	19	14
31....	28	....	32	22	....	39	....	302	....	23	19	....
Total	549	811	1046	736	354	761	4973	5368	3793	689	867	478
Mean.	17.7	27.0	33.7	23.7	19.8	24.5	166	173	126	22.2	28.0	15.9
Max.	28	38	39	29	23	39	348	420	392	56	46	38
Min.	12	20	28	18	16	17	45	49	21	14	19	14
Acre-ft.	1090	1610	2070	1460	1100	1510	9860	10650	7520	1370	1720	948

Total run-off for period=40,910 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Troublesome Creek Near Troublesome, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	14	19	28	19	19	19	25	40	165	7.8	10	6.0
2....	12	20	29	20	20	19	26	42	159	7.1	13	5.4
3....	12	27	29	20	19	19	27	36	159	6.0	13	5.4
4....	11	27	29	20	19	19	29	30	153	7.1	12	5.4
5....	12	23	30	19	20	19	33	25	133	16	12	5.4
6....	12	22	31	19	20	20	35	38	95	10	12	5.4
7....	13	21	31	19	19	20	36	61	105	7.4	13	3.8
8....	13	25	29	20	18	20	38	61	131	6.8	13	3.8
9....	12	31	27	18	18	20	39	61	114	7.1	14	3.8
10....	12	35	27	17	19	20	36	91	187	6.0	14	3.8
11....	12	39	26	17	19	20	40	95	268	8.5	14	4.1
12....	12	43	24	17	*19	20	50	89	282	3.8	14	4.1
13....	12	46	24	17	20	20	60	136	264	3.5	14	4.1
14....	12	42	22	17	20	20	43	153	218	3.5	14	4.1
15....	11	41	22	17	20	20	35	190	126	3.8	15	4.1
16....	12	43	20	*17	20	20	30	229	91	3.0	15	4.1
17....	11	43	20	17	19	21	26	250	87	3.8	14	4.4
18....	11	35	*21	17	18	*21	32	162	64	5.0	14	4.4
19....	12	35	21	17	18	21	40	140	54	6.4	15	4.4
20....	13	36	23	18	18	21	40	126	48	12	15	4.4
21....	14	36	23	18	18	21	41	148	39	26	14	4.1
22....	16	36	23	17	18	22	34	156	33	30	11	3.8
23....	18	36	23	17	19	22	31	215	32	27	8.2	3.5
24....	15	30	22	17	19	23	30	336	27	32	7.8	3.8
25....	15	28	22	18	19	23	32	282	22	31	7.8	4.1
26....	18	26	22	18	19	22	33	222	22	23	7.1	4.1
27....	19	25	21	18	19	22	38	180	20	19	6.8	4.1
28....	20	27	21	17	19	22	45	168	17	15	6.4	4.7
29....	22	28	21	17	18	23	43	177	19	14	6.4	5.0
30....	24	28	21	17	....	24	43	165	9.8	13	6.4	5.7
31....	20	....	19	18	....	25	....	162	....	11	6.4	....
Total	442	953	749	554	550	648	1090	4266	3143.8	377.6	358.3	133.3
Mean.	14.3	31.8	24.2	17.9	19.0	20.9	36.3	138	105	12.2	11.6	4.44
Max.	24	46	31	20	20	25	60	336	282	32	15	6.0
Min.	11	19	19	17	18	19	25	25	9.8	3.5	6.4	3.5
Acre-ft.	877	1890	1490	1100	1090	1290	2160	8460	6240	749	711	264

Total run-off for period=26,320 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of East Fork of Troublesome Creek Near Troublesome, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.6	5.3	....	....	....	....	11	186	164	43	3.4	2.8
2....	2.3	5.0	....	....	....	....	18	192	172	36	3.1	2.3
3....	2.8	5.5	....	....	....	....	32	222	176	34	2.8	2.2
4....	3.0	4.0	....	....	....	....	37	224	176	34	3.4	2.0
5....	2.6	4.0	....	....	....	....	43	186	168	33	3.8	2.3
6....	2.3	4.4	....	....	....	....	53	172	168	29	4.6	2.2
7....	1.9	4.7	....	....	....	....	50	164	148	27	7.8	1.8
8....	1.3	5.0	....	....	....	....	42	150	139	26	7.0	1.4
9....	1.0	5.2	....	....	....	....	33	134	144	24	6.2	1.6
10....	1.1	4.8	....	....	....	....	24	114	146	23	5.5	1.8
11....	3.3	4.7	....	....	....	....	20	107	139	20	4.8	1.7
12....	3.1	5.1	....	....	....	....	22	117	130	18	3.6	1.8
13....	2.8	5.4	....	....	....	....	24	121	117	16	3.1	1.4
14....	2.2	5.7	....	....	....	....	27	110	112	13	2.6	1.2
15....	1.7	5.8	....	....	....	....	34	100	104	13	2.6	1.7
16....	1.2	4.7	....	....	....	....	82	97	93	13	3.4	1.9
17....	3.6	5.2	....	....	....	....	90	95	82	12	4.1	2.5
18....	4.6	5.6	....	....	....	....	92	92	76	11	3.8	2.3
19....	4.6	5.5	....	....	....	....	107	89	75	11	3.3	2.5
20....	3.8	*5.3	....	....	....	....	121	84	70	9.6	3.1	2.3
21....	3.8	Nov. 1	....	....	....	....	117	78	63	8.5	2.8	1.7
22....	5.0	to 20	....	....	....	....	125	75	57	8.0	3.1	1.9
23....	5.0	....	....	....	....	....	123	71	55	7.6	3.4	2.3
24....	3.8	....	....	....	....	....	137	65	55	8.0	5.0	2.6
25....	4.3	....	....	....	....	....	155	60	53	7.5	7.0	3.0
26....	5.5	....	....	....	....	....	153	56	50	7.5	6.5	2.8
27....	6.2	....	....	....	....	....	166	52	46	7.0	6.0	2.6
28....	5.5	....	....	....	....	....	172	55	42	6.2	5.3	2.5
29....	4.1	....	....	....	....	....	176	76	36	5.5	4.3	2.2
30....	5.0	....	....	....	....	....	180	95	40	5.0	3.4	1.7
31....	6.0	....	....	....	....	....	....	137	....	4.3	3.1	....
Total	1050	1012	....	....	....	....	2466	3576	3096	520.6	131.9	63.0
Mean.	3.39	506	....	....	....	....	82.2	115	103	16.8	4.25	2.10
Max..	6.2	5.8	....	....	....	....	180	224	176	43	7.8	3.0
Min..	1.0	4.0	....	....	....	....	11	52	36	4.3	2.6	1.2
Acre-ft.	208	201	....	....	....	....	4890	7090	6140	1030	262	125

Total run-off for period=19,946 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Muddy Creek Near Kremmling, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	2.3	6.3	....	....	....	....	40	438	280	45	2.3	3.2
2....	1.9	7.4	....	....	....	....	60	433	335	36	2.5	3.2
3....	1.9	6.3	....	....	....	....	115	492	213	29	3.0	3.2
4....	2.1	6.6	....	....	....	....	148	394	170	26	5.6	3.2
5....	2.1	6.6	....	....	....	....	170	373	179	22	6.3	3.2
6....	2.1	6.8	....	....	....	....	200	316	164	17	5.6	3.2
7....	2.3	7.0	....	....	....	....	200	250	154	13	8.2	3.2
8....	2.3	7.2	....	....	....	....	205	220	161	14	7.0	3.2
9....	2.3	7.2	....	....	....	....	130	184	168	13	8.2	3.2
10....	2.8	6.6	....	....	....	....	94	155	148	14	7.8	3.2
11....	2.5	6.8	....	....	....	....	84	177	154	13	5.6	3.2
12....	3.0	6.8	....	....	....	....	*84	188	140	11	5.2	3.2
13....	4.2	6.8	....	....	....	....	96	200	134	11	4.6	3.2
14....	6.3	7.2	....	....	....	....	110	206	128	11	4.2	3.2
15....	5.9	7.2	....	....	....	....	134	215	126	11	3.0	3.2
16....	4.9	6.8	....	....	....	....	162	184	115	10	2.5	3.2
17....	4.6	7.0	....	....	....	....	190	152	98	9.8	3.5	3.2
18....	3.9	7.2	....	....	....	....	267	148	95	8.2	3.5	3.2
19....	3.2	7.0	....	....	....	....	262	123	85	7.8	3.0	3.2
20....	3.2	*6.7	....	....	....	....	264	128	82	6.3	3.0	3.2
21....	2.8	Nov. 1	....	....	....	....	267	144	75	5.2	4.8	3.2
22....	3.0	to 20	....	....	....	....	267	131	67	7.0	4.8	3.2
23....	4.2	....	....	....	....	....	284	147	54	7.8	4.8	3.2
24....	4.2	....	....	....	....	....	318	159	60	6.3	4.8	3.2
25....	3.5	....	....	....	....	....	370	170	61	5.6	4.8	3.2
26....	3.5	....	....	....	....	....	368	224	59	4.2	4.8	3.2
27....	3.9	....	....	....	....	....	340	229	57	3.5	4.8	3.2
28....	4.9	....	....	....	....	....	347	227	52	2.5	4.8	3.2
29....	5.2	....	....	....	....	....	373	224	52	2.5	4.8	3.2
30....	5.6	....	....	....	....	....	391	300	82	2.3	4.8	3.2
31....	6.3	....	....	....	....	....	....	297	....	2.1	4.8	....
Total	110.9	137.5	....	....	....	....	6340	7228	3748	377.1	147.4	96.0
Mean.	3.58	6.88	....	....	....	....	211	233	125	12.2	4.75	3.20
Max..	6.3	7.4	....	....	....	....	391	492	335	45	....	....
Min..	1.9	6.3	....	....	....	....	40	123	52	2.1	....	....
Acre-ft.	220	273	....	....	....	....	12580	14340	7430	748	292	190

Total run-off for period=36,073 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Blue River at Dillon, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	38	33	31	20	13	14	19	284	385	518	163	87
2....	37	34	33	20	14	13	21	297	468	415	159	80
3....	37	34	30	21	14	12	22	306	463	361	154	77
4....	36	35	26	16	14	13	31	301	370	328	148	73
5....	35	35	24	13	14	14	33	274	310	301	137	70
6....	35	34	22	16	15	13	36	239	292	281	128	69
7....	35	34	20	14	15	14	38	217	310	270	126	65
8....	34	35	22	14	15	14	37	204	356	259	126	64
9....	34	34	23	14	14	14	36	197	405	252	137	60
10....	34	34	*24	14	14	14	35	187	485	236	135	59
11....	35	32	25	14	14	15	33	181	540	230	124	57
12....	34	32	21	14	14	15	34	181	502	217	114	56
13....	36	31	21	15	14	15	37	181	425	210	108	56
14....	37	30	21	15	14	15	47	183	405	202	103	56
15....	36	30	22	14	14	15	51	187	385	197	95	51
16....	37	32	22	14	*14	14	58	179	356	190	94	51
17....	38	31	22	14	14	14	62	168	346	183	99	51
18....	37	32	22	12	14	14	64	163	385	176	108	52
19....	37	33	22	12	14	14	73	168	425	165	114	54
20....	37	33	22	*14	15	14	84	161	446	161	120	54
21....	36	32	23	15	14	*14	101	159	502	161	114	51
22....	35	28	23	15	14	14	122	159	534	165	106	50
23....	37	*40	23	14	14	15	150	157	551	163	101	49
24....	37	34	23	13	14	15	174	163	546	159	97	48
25....	36	34	23	13	14	15	192	174	540	157	97	47
26....	35	30	23	12	13	15	194	190	551	146	99	46
27....	34	33	23	13	14	15	187	207	524	137	94	45
28....	34	30	24	14	14	16	187	236	518	132	88	45
29....	35	28	24	14	....	17	197	319	485	128	85	44
30....	36	31	24	14	....	17	217	405	529	141	85	44
31....	35	....	21	14	....	17	....	415	....	165	88	....
Total	1109	978	729	451	394	450	2572	6842	13339	6806	3546	1711
Mean.	35.8	32.6	23.5	14.5	14.1	14.5	85.7	221	445	220	114	57.0
Max..	38	40	33	20	15	17	217	415	551	518	163	87
Min..	34	28	20	12	13	12	19	157	292	128	85	44
Acre-ft.	2200	1940	1450	895	781	893	5100	13570	26460	13500	7030	3390

Total run-off for period=77,210 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Blue River at Dillon, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	44	33	24	12	9.6	11	20	27	440	320	96	52
2....	44	32	26	12	9.8	11	19	29	450	309	91	50
3....	44	30	24	13	9.2	11	19	28	392	306	88	48
4....	43	30	23	13	9.0	12	19	28	344	316	85	47
5....	42	32	24	11	9.6	12	21	28	302	313	82	45
6....	40	32	25	12	10	11	22	34	284	291	82	44
7....	38	25	25	12	10	11	21	41	340	260	80	43
8....	38	22	24	10	10	10	20	47	348	240	76	42
9....	38	32	22	9.6	10	11	23	57	387	224	74	42
10....	39	31	19	9.6	10	12	23	61	582	215	73	41
11....	39	32	18	10	9.2	12	23	68	610	215	70	41
12....	39	32	18	10	8.4	12	24	76	549	206	68	40
13....	39	31	18	10	7.8	13	25	98	475	191	65	39
14....	40	31	18	10	7.8	14	24	153	470	177	64	39
15....	41	31	18	11	7.9	14	25	206	450	168	63	38
16....	41	31	18	11	8.0	14	23	253	470	188	63	38
17....	41	30	18	11	8.2	15	23	267	445	194	61	37
18....	40	29	18	11	8.2	16	24	212	400	166	59	37
19....	39	29	18	11	8.2	17	22	160	410	153	59	37
20....	40	29	18	10	8.6	16	22	155	460	153	59	36
21....	38	29	19	11	9.2	16	22	174	465	158	60	35
22....	37	28	19	11	10	16	20	209	480	155	59	34
23....	37	29	19	11	9.4	17	22	253	430	142	58	34
24....	36	28	19	11	10	17	21	302	415	139	57	33
25....	35	28	18	10	11	17	20	324	435	142	60	33
26....	35	26	18	9.6	10	16	21	302	440	134	65	33
27....	35	25	16	9.8	10	16	22	270	410	127	64	33
28....	33	23	14	9.0	10	16	25	244	352	117	60	34
29....	33	24	13	8.8	10	16	26	281	352	112	58	34
30....	33	23	14	9.0	....	19	25	348	352	106	56	34
31....	33	....	13	9.2	....	20	....	396	....	100	53	....
Total	1194	867	598	328.6	269.1	441	666	5131	12739	6037	2108	1173
Mean.	38.5	28.9	19.3	10.6	9.28	14.2	22.2	166	425	195	68.0	39.1
Max..	44	33	26	13	11	20	26	396	610	320	96	52
Min..	33	22	13	8.8	7.8	10	19	27	284	100	53	33
Acre-ft.	2370	1720	1190	652	534	875	1320	10180	25270	11970	4180	2330

Total run-off for period=62,590 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of Blue River Above Green Mountain Reservoir Near Kremmling, Colo.,
for Year Ending Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....								1800	1330	394	212	
2.....								1600	1270	384	205	
3.....								1350	1290	367	193	
4.....								1170	1290	362	186	
5.....								990	1260	356	182	
6.....								940	1160	356	178	
7.....								1300	1060	340	175	
8.....								1240	940	326	168	
9.....								1530	913	322	168	
10.....								2150	877	326	164	
11.....								2220	913	307	161	
12.....								1960	814	298	168	
13.....								1700	752	290	168	
14.....								1730	704	290	164	
15.....								1710	664	285	164	
16.....								May 18	1890	704	281	151
17.....								to 31	1750	664	273	144
18.....								859	1600	608	269	141
19.....								736	1720	586	285	138
20.....								728	1900	648	269	136
21.....								787	1930	640	248	130
22.....								950	1920	600	236	130
23.....								1260	1680	558	232	127
24.....								1530	1730	579	236	130
25.....								1560	1790	648	273	130
26.....								1380	1720	565	269	130
27.....								1130	1590	509	252	130
28.....								1120	1410	474	244	130
29.....								1500	1420	448	232	130
30.....								1810	1410	442	232	127
31.....								1860	.....	418	224	.....
Total								17210	48850	24328	9058	4660
Mean..								1229	1628	785	292	155
Max..								1860	2220	1330	394	212
Min..								728	940	418	224	127
Acre-ft.								34140	96890	48250	17970	9240

Total run-off for period=206,500 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of Blue River Below Green Mountain Reservoir Near Kremmling, Colo.,
for Year Ending Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	159	165	1.0	0.7	0.0	0.0	7.0	545	689	2870	480	437
2....	156	172	1.0	0.6	0.0	0.0	10	693	728	2700	565	614
3....	157	168	0.8	0.7	0.0	0.0	12	738	603	2370	532	454
4....	157	166	0.6	0.4	0.0	0.0	13	776	1240	1790	600	285
5....	154	157	0.4	0.0	0.0	0.0	15	757	1200	1910	647	81
6....	154	156	0.0	0.0	0.5	0.0	18	750	1120	1740	663	437
7....	152	161	0.0	0.0	0.9	0.0	21	731	1330	1390	543	428
8....	152	154	0.0	0.0	1.0	0.0	19	724	1380	1430	577	321
9....	152	166	0.0	0.0	0.6	0.0	15	712	1420	1430	672	425
10....	150	138	0.5	0.0	0.3	0.0	11	724	1460	1460	662	412
11....	148	130	*1.0	0.0	0.0	0.0	8.4	958	1420	1310	592	379
12....	148	132	0.7	0.0	*0.0	0.0	7.0	1190	1380	1350	558	142
13....	154	140	0.7	0.0	0.0	0.0	7.0	835	1110	1350	546	378
14....	163	145	0.8	1.0	0.0	0.0	7.4	705	1720	1340	507	414
15....	161	150	0.8	0.9	0.0	*0.0	8.1	724	2080	1110	412	351
16....	166	120	0.9	0.8	0.0	0.0	8.1	757	1740	920	679	448
17....	166	16	1.0	0.5	0.0	0.0	7.8	757	1770	964	638	445
18....	163	10	1.0	0.0	0.0	0.0	8.1	705	1520	702	508	314
19....	156	7.0	1.0	0.0	0.0	0.0	8.8	681	1510	860	544	75
20....	154	5.0	1.0	0.6	0.4	0.0	10	508	1270	922	530	381
21....	154	*3.5	1.0	*2.0	0.8	0.0	22	460	1630	707	509	371
22....	154	2.0	1.0	2.5	0.3	0.0	39	465	2130	822	518	302
23....	159	1.8	0.9	2.0	0.4	0.5	26	445	2390	758	521	333
24....	165	1.6	0.9	1.0	0.2	0.7	14	515	2490	828	448	396
25....	161	1.6	0.8	0.5	0.0	0.6	14	903	2610	656	415	280
26....	157	1.4	0.7	0.0	0.0	0.9	15	799	2630	915	432	138
27....	154	1.4	0.6	0.0	0.0	1.2	105	1170	2460	782	457	360
28....	156	1.2	0.7	0.0	0.0	2.0	182	572	2640	628	370	442
29....	159	0.8	0.8	0.0	....	3.5	312	368	2560	474	121	510
30....	161	1.0	0.9	0.0	....	4.5	465	586	2750	364	516	325
31....	156	....	0.8	0.0	....	5.0	....	329	....	457	498	....
Total	4858	2474.3	22.3	14.2	5.4	18.9	1415.7	2158.2	5098.0	37309	16260	10678
Mean.	157	82.5	0.72	0.46	0.19	0.61	47.2	696	1699	1204	525	356
Max.	166	172	1.0	2.5	1.0	5.0	465	1190	2750	2870	679	614
Min.	148	0.8	0.0	0.0	0.0	0.0	7.0	329	603	364	121	75
Ac.-ft.	9640	4910	44	28	11	37	2810	42810	101100	74000	32250	21180

Total run-off for period=288,860 acre-feet.

*Winter discharge measurement made on this day.

**Discharge of Blue River Below Green Mountain Reservoir Near Kremmling, Colo.,
for Year Ending Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	255	223	580	184	280	144	236	148	1250	1260	598	446
2....	204	267	565	74	253	148	91	152	1250	1070	559	234
3....	136	118	565	62	224	138	226	143	488	955	590	176
4....	343	600	425	15	223	140	291	130	236	759	587	486
5....	215	319	220	18	255	26	292	160	1140	752	388	397
6....	236	295	525	140	91	116	316	27	1020	811	376	432
7....	352	118	515	95	203	122	299	93	922	818	632	432
8....	368	498	525	188	244	132	283	202	922	746	571	507
9....	259	505	530	113	252	118	34	236	978	298	553	225
10....	179	407	475	156	252	156	246	350	329	762	610	240
11....	381	525	255	55	244	114	300	327	167	658	462	384
12....	361	458	185	21	269	18	284	488	925	584	261	450
13....	294	347	490	193	70	124	361	578	1050	532	146	414
14....	228	156	480	189	233	130	362	877	992	522	516	401
15....	371	145	490	152	210	115	227	1200	983	578	449	460
16....	381	209	475	147	218	111	112	1640	955	537	522	232
17....	23	562	510	157	220	149	252	1510	282	632	472	214
18....	298	424	270	135	212	124	233	15	86	682	511	368
19....	536	418	163	127	235	15	207	1540	861	722	296	366
20....	386	368	326	124	19	163	203	906	976	596	200	351
21....	397	163	479	142	178	167	198	571	948	720	518	382
22....	480	492	498	136	194	100	74	396	1050	556	478	329
23....	316	470	490	130	139	194	38	420	1130	455	514	202
24....	65	542	173	129	128	188	130	392	872	664	453	66
25....	304	534	62	126	120	150	266	344	778	629	515	262
26....	302	494	62	136	129	14	86	306	974	654	524	505
27....	255	426	466	136	23	262	156	378	1200	635	306	414
28....	274	200	378	164	107	279	176	342	1240	635	488	356
29....	540	575	440	174	134	272	66	389	1240	642	484	444
30....	205	560	435	152	....	245	73	316	1250	636	492	246
31....	50	....	467	250	....	239	....	354	....	639	488	....
Total	8994	11358	12519	4020	5359	4413	6118	16385	26494	21139	14559	10421
Mean.	290	379	404	130	185	142	204	529	883	682	470	347
Max.	540	600	580	250	280	279	362	1640	1250	1260	632	507
Min.	23	118	62	15	19	14	34	27	86	298	146	66
Ac.-ft.	17840	22530	24830	7970	10630	8750	12130	32500	52550	41930	28880	20670

Total run-off for period=281,200 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Snake River Near Montezuma, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	20	21	13	12	10	9.4	16	122	258	355	83	50
2....	20	22	13	12	10	9.2	8.0	128	258	335	89	49
3....	20	17	13	12	10	9.2	22	155	206	335	79	45
4....	19	17	13	11	10	9.2	22	146	206	310	72	45
5....	20	22	13	11	10	9.4	22	135	189	270	71	44
6....	20	23	13	11	10	8.8	21	125	258	240	68	43
7....	19	19	13	11	10	9.0	18	85	275	220	68	43
8....	19	20	13	11	10	9.2	18	83	355	220	71	38
9....	18	20	13	11	10	9.4	18	71	403	206	71	41
10....	18	17	*13	11	9.4	9.4	18	65	415	209	69	37
11....	18	17	13	11	9.8	9.2	18	71	375	189	69	36
12....	18	17	13	11	9.8	8.8	18	79	335	175	62	34
13....	23	17	13	11	9.8	9.0	16	85	315	172	65	33
14....	19	17	13	11	9.4	9.2	16	79	315	158	56	34
15....	21	17	13	11	9.0	9.2	18	72	291	138	56	33
16....	24	16	13	11	*9.0	9.2	21	69	310	130	57	34
17....	24	16	13	10	9.0	9.0	19	62	320	128	60	32
18....	17	16	13	10	9.0	8.8	19	64	340	116	69	30
19....	16	16	13	10	9.2	8.6	23	61	355	109	72	40
20....	26	16	13	*10	9.4	*8.8	24	59	375	104	72	34
21....	19	15	13	10	9.4	9.2	40	64	395	106	65	34
22....	20	15	13	10	9.2	9.8	43	62	435	104	57	33
23....	21	*15	13	10	9.2	9.8	44	61	435	100	57	33
24....	22	15	13	10	9.2	9.8	55	83	415	106	58	32
25....	20	15	13	11	9.2	10	62	119	415	100	64	32
26....	20	15	13	10	9.0	11	68	122	435	96	60	32
27....	14	15	13	10	9.2	13	66	155	415	85	54	27
28....	14	14	13	10	9.4	15	77	233	375	83	52	34
29....	20	14	13	10	....	17	80	268	395	83	49	34
30....	16	14	13	10	....	17	83	315	399	87	66	34
31....	32	....	13	10	....	16	....	275	....	83	59	....
Total	617	510	403	330	266.6	319.6	993	3573	10268	5152	2020	1100
Mean.	19.9	17.0	13.0	10.6	9.52	10.3	33.1	115	342	166	65.2	36.7
Max..	32	23	13	12	10	17	83	315	435	355	89	50
Min..	14	14	13	10	9.0	8.6	8.0	59	189	83	49	27
Acre-ft.	1220	1010	799	655	529	634	1970	7090	20370	10220	4010	2180

Total run-off for period=50,690 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Snake River Near Montezuma, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	34	13	15	10	11	10	10	10	253	253	71	33
2....	30	11	15	11	11	10	10	10	218	246	69	31
3....	29	13	14	11	11	10	10	10	190	253	65	30
4....	27	14	14	11	11	11	10	12	157	235	63	30
5....	25	15	14	10	11	11	10	11	136	235	55	29
6....	25	11	14	11	11	10	10	15	163	218	49	28
7....	24	11	14	11	11	10	9.8	17	197	190	45	28
8....	22	12	13	11	11	10	9.2	17	204	178	42	27
9....	22	13	13	11	11	10	9.5	21	311	169	42	27
10....	22	15	12	11	11	10	9.5	22	355	166	42	28
11....	22	18	11	11	11	10	9.5	21	319	160	39	28
12....	21	19	11	11	11	10	9.8	33	267	148	36	28
13....	21	19	11	11	11	10	9.5	57	253	136	35	28
14....	19	18	10	11	11	10	11	63	267	130	34	25
15....	17	18	10	11	*11	10	10	76	288	130	34	25
16....	17	17	10	11	11	10	11	100	319	133	33	23
17....	17	17	10	11	11	10	11	86	323	120	30	23
18....	17	17	10	11	11	10	11	60	315	109	29	23
19....	17	17	11	*11	11	10	11	47	359	117	35	21
20....	17	16	11	11	10	*10	11	58	359	120	37	21
21....	15	16	11	11	10	10	10	71	367	117	41	19
22....	21	16	*11	11	10	10	9.5	100	335	102	40	18
23....	18	15	11	11	10	11	9.5	130	303	95	37	17
24....	14	*15	11	11	10	11	9.5	136	347	104	42	17
25....	18	15	10	11	10	11	9.5	139	335	104	52	15
26....	16	14	10	11	10	11	9.8	107	339	93	41	15
27....	15	14	10	10	10	11	11	89	281	84	39	15
28....	15	14	10	10	10	10	11	114	281	80	36	16
29....	15	15	11	10	10	10	11	166	285	80	36	16
30....	13	15	11	10	....	10	9.5	204	267	80	37	18
31....	13	....	10	10	....	10	....	232	....	74	35	....
Total	618	453	359	334	309	317	303.1	2234	8393	4459	1321	702
Mean.	19.9	15.1	11.6	10.8	10.7	10.2	10.1	721	280	144	42.6	23.4
Max..	34	19	15	11	11	11	11	232	367	253	71	33
Min..	13	11	10	10	10	10	9.2	10	136	74	29	15
Acre-ft.	1230	899	712	662	613	629	601	4430	16650	8840	2620	1390

Total run-off for period=39,280 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Snake River at Dillon, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	7.8	11	9.8	9.6	9.2	9.6	10	112	214	314	60	22
2....	7.8	11	9.6	9.6	9.8	8.2	11	115	269	276	52	19
3....	7.8	10	10	9.6	9.2	8.6	12	128	224	262	56	18
4....	7.8	10	10	9.0	9.8	8.6	14	126	193	244	54	16
5....	7.8	9.0	10	9.4	10	8.8	16	108	196	220	48	16
6....	7.8	9.6	9.4	10	10	7.2	21	98	230	202	45	16
7....	7.8	10	10	10	10	7.4	18	87	262	185	42	15
8....	7.8	10	10	10	10	7.8	16	79	306	172	41	14
9....	7.8	10	10	10	9.4	8.0	14	75	370	167	46	14
10....	7.8	8.6	*9.6	9.6	9.0	8.0	14	68	395	151	43	14
11....	8.4	8.6	9.6	9.4	9.6	7.4	11	69	370	149	39	14
12....	8.4	8.8	10	9.6	9.6	8.0	11	75	322	140	37	13
13....	9.6	9.2	10	10	9.8	8.0	14	70	306	130	34	13
14....	9.2	9.8	10	11	9.4	8.0	16	72	302	114	30	12
15....	10	10	10	11	8.9	8.0	21	63	302	99	29	12
16....	10	10	10	10	*9.0	7.6	24	55	294	93	29	12
17....	10	10	10	10	9.2	7.4	22	50	310	90	29	12
18....	11	10	10	10	9.4	7.2	22	50	334	90	34	12
19....	10	10	10	9.0	9.4	7.0	26	47	334	86	40	14
20....	10	10	10	*9.7	9.4	*7.0	32	43	348	80	34	12
21....	10	9.8	10	10	9.6	7.0	39	44	375	76	31	12
22....	11	9.0	10	10	9.6	7.6	44	34	395	73	32	12
23....	11	12	10	10	9.6	8.2	41	42	385	72	29	12
24....	11	12	10	10	9.6	8.2	52	48	366	73	30	11
25....	11	11	10	11	9.4	8.0	57	65	357	68	31	9.2
26....	11	10	10	9.4	8.8	8.0	63	86	344	57	28	8.8
27....	11	10	10	10	9.2	8.8	52	100	330	55	26	9.6
28....	10	10	10	10	9.6	11	46	146	330	50	24	10
29....	11	9.4	10	10	....	12	68	196	314	50	23	10
30....	11	10	10	10	....	11	83	255	362	60	25	10
31....	14	....	10	10	....	10	....	217	....	65	25	....
Total	296.6	298.8	308.0	306.9	265.5	257.6	890	2823	9439	3963	1126	394.6
Mean	9.57	9.96	9.94	9.90	9.48	8.31	29.7	91.1	315	128	36.3	13.2
Max.	14	12	10	11	10	12	83	255	395	314	60	22
Min.	7.8	8.6	9.4	9.0	8.8	7.0	10	34	193	50	23	8.8
Acre-ft.	588	593	611	609	527	511	1770	5600	18720	7860	2230	783

Total run-off for period=40,400 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Snake River at Dillon, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	10	8.4	10	9.2	9.6	13	12	12	256	240	24	12
2....	11	8.0	10	9.2	9.8	13	14	14	216	232	22	12
3....	12	9.0	11	9.2	10	13	14	12	175	228	21	12
4....	12	9.4	10	9.2	11	13	15	18	142	228	20	12
5....	11	9.6	10	9.2	11	13	15	14	118	205	20	12
6....	12	8.4	10	9.0	12	13	15	22	124	175	19	11
7....	12	8.2	10	8.8	12	12	15	31	167	153	18	11
8....	12	8.6	9.8	8.6	12	11	16	28	169	134	18	12
9....	11	9.4	9.6	8.4	12	11	16	37	316	124	18	12
10....	10	11	9.4	8.2	12	11	17	34	445	116	18	12
11....	11	12	9.2	8.4	12	11	15	35	430	114	17	15
12....	12	13	9.2	8.6	12	11	15	46	380	94	16	18
13....	11	13	9.2	8.8	12	11	16	74	352	86	16	20
14....	11	13	9.4	8.8	12	11	15	88	362	76	16	20
15....	11	13	9.4	8.8	12	11	14	98	380	76	16	15
16....	11	12	9.4	8.8	12	11	14	116	405	86	16	9.3
17....	11	12	9.6	8.8	12	11	15	104	371	73	15	9.3
18....	11	11	9.8	8.8	12	11	13	65	362	65	15	9.3
19....	11	11	9.8	8.8	12	11	13	51	420	62	15	8.4
20....	11	11	9.8	8.8	12	11	12	50	450	70	15	8.4
21....	10	10	9.9	9.4	12	11	13	56	440	67	14	8.1
22....	11	10	10	9.4	12	12	12	78	420	57	14	7.8
23....	11	11	8.7	9.4	12	12	12	110	371	55	14	7.8
24....	11	10	10	9.2	12	11	12	114	380	61	13	7.8
25....	11	10	9.8	9.0	12	12	12	114	375	61	14	7.8
26....	8.4	10	9.6	8.8	12	11	12	94	366	51	12	8.1
27....	8.7	10	9.4	8.8	12	11	14	76	330	45	12	8.1
28....	8.4	10	9.4	9.0	12	13	15	92	316	42	12	8.1
29....	8.7	10	9.4	9.2	12	13	14	137	308	37	12	8.1
30....	8.7	10	9.4	9.4	....	12	13	182	265	31	12	8.7
31....	8.4	....	9.4	9.6	....	12	....	224	....	24	12	....
Total	329.3	312.0	299.6	277.6	339.4	363	420	2226	9611	3168	496	331.1
Mean	10.6	10.4	9.66	8.95	11.7	11.7	14.0	71.8	320	102	16.0	11.0
Max.	12	13	11	9.6	12	13	17	224	450	240	24	20
Min.	8.4	8.0	9.2	8.2	9.6	11	12	12	118	24	12	7.8
Acre-ft.	653	619	594	551	673	720	833	4420	19060	6280	984	657

Total run-off for period=36,040 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Ten Mile Creek Near Frisco, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	18	19	12	11	11	12	22	420	438	335	91	39
2....	18	18	12	11	12	11	23	416	492	301	93	35
3....	18	15	12	11	12	10	30	430	359	275	99	33
4....	18	15	12	10	12	11	33	391	318	252	80	31
5....	18	13	12	10	12	11	35	304	304	230	76	30
6....	18	13	12	11	12	10	40	249	352	220	76	29
7....	18	13	12	11	12	10	44	198	416	208	68	28
8....	18	13	12	11	12	10	39	171	463	198	58	27
9....	18	13	12	11	12	11	45	158	502	180	60	27
10....	18	12	*12	11	12	10	43	163	514	165	66	27
11....	17	12	12	11	12	10	43	183	516	158	57	27
12....	18	13	12	11	12	10	44	208	438	147	53	25
13....	20	13	12	11	12	10	40	220	420	112	48	24
14....	19	13	12	12	12	10	39	211	394	135	45	24
15....	19	13	12	12	*12	10	47	180	380	128	43	24
16....	19	13	12	12	12	10	53	155	369	118	46	24
17....	19	13	12	12	12	10	54	145	362	112	58	23
18....	18	13	12	12	12	10	57	150	398	105	58	24
19....	14	13	12	11	12	10	73	145	398	105	66	30
20....	15	13	12	*11	13	*10	93	158	416	101	57	29
21....	16	12	12	12	12	10	103	180	427	108	50	26
22....	16	13	12	13	12	10	125	163	430	114	51	23
23....	18	*14	12	12	12	11	150	198	420	112	45	22
24....	18	14	12	12	12	11	192	252	405	103	48	22
25....	18	13	12	12	12	11	227	297	405	97	60	21
26....	18	12	12	11	12	11	230	345	391	88	48	21
27....	18	12	12	12	12	12	230	373	391	86	45	22
28....	17	12	12	12	12	13	249	456	362	80	39	21
29....	18	12	12	12	....	15	288	470	345	75	39	24
30....	18	12	12	12	....	17	352	466	391	112	47	27
31....	21	....	12	12	....	20	....	416	....	114	46	....
Total	554	399	372	355	336	347	3043	8271	12210	4704	1816	789
Mean.	17.9	13.3	12.0	11.5	12.0	11.2	101	267	407	152	58.6	26.3
Max..	21	19	12	13	13	20	352	470	514	335	99	39
Min..	14	12	12	10	11	10	22	145	304	75	39	21
Acre-ft.	1100	791	738	704	666	688	6040	16410	24220	9330	3600	1560

Total run-off for period=65,850 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Ten Mile Creek Near Frisco, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	30	18	13	11	11	12	18	17	466	214	50	22
2....	29	18	13	12	11	12	17	19	416	211	50	22
3....	28	17	13	12	11	12	17	18	359	204	47	20
4....	25	18	13	12	11	13	17	18	308	208	44	20
5....	23	18	13	11	11	13	17	20	268	192	46	20
6....	22	18	13	12	11	13	17	30	321	171	44	20
7....	21	14	13	12	11	13	17	50	376	152	42	18
8....	21	14	13	12	11	13	17	60	362	140	40	17
9....	21	15	12	11	11	13	17	74	463	135	40	17
10....	22	16	11	11	11	13	17	67	495	135	41	17
11....	22	16	11	11	11	13	17	69	459	140	39	17
12....	24	17	11	11	11	14	16	96	402	117	38	17
13....	26	16	11	11	11	14	16	147	391	108	36	16
14....	27	16	11	11	11	14	16	204	387	104	35	16
15....	26	16	11	11	11	14	15	252	398	104	36	16
16....	25	16	11	11	11	14	15	297	387	124	36	17
17....	25	15	11	11	11	14	14	259	348	102	34	16
18....	24	15	12	11	11	14	14	163	338	92	34	16
19....	24	14	12	11	11	14	14	145	362	90	41	15
20....	24	14	12	11	11	14	14	171	359	100	35	15
21....	23	14	12	12	11	15	14	204	352	98	33	15
22....	22	14	13	12	12	15	13	272	325	87	30	14
23....	22	13	13	12	12	15	13	362	297	79	29	14
24....	24	*13	13	12	12	15	13	402	294	83	29	14
25....	20	13	12	12	12	15	13	380	288	98	33	14
26....	19	13	12	11	12	15	14	321	278	72	31	15
27....	19	13	11	11	12	15	14	275	246	64	28	15
28....	21	13	11	11	12	15	15	335	233	58	26	15
29....	21	13	12	11	12	16	16	441	233	57	24	15
30....	20	13	12	11	....	17	16	477	227	56	26	14
31....	19	....	11	11	....	18	....	477	....	51	24	....
Total	720	453	372	352	327	437	463	6122	10438	3646	1121	499
Mean.	23.2	15.1	12.0	11.4	11.3	14.1	15.4	197	348	118	36.2	16.6
Max..	30	18	13	12	12	18	18	477	495	214	50	22
Min..	19	13	11	11	11	12	13	17	227	51	24	14
Acre-ft.	1430	899	738	698	649	867	918	12140	20700	7230	2220	990

Total run-off for period=49,480 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Ten Mile Creek at Dillon, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	26	32	18	17	18	20	33	459	542	438	126	68
2....	26	31	18	17	19	19	36	467	603	396	130	62
3....	26	29	18	16	19	18	44	489	442	368	139	57
4....	26	29	18	17	19	19	56	451	392	340	117	56
5....	25	28	18	17	19	19	58	368	884	312	113	52
6....	25	25	17	17	19	17	66	312	425	288	113	49
7....	26	22	19	17	19	17	76	268	524	272	100	48
8....	26	22	19	17	20	17	66	238	590	265	98	47
9....	26	22	19	17	20	17	56	226	630	246	98	46
10....	26	22	*19	17	20	17	58	226	647	233	102	46
11....	26	20	18	17	20	16	54	246	621	219	94	42
12....	26	20	18	17	20	16	56	284	555	209	88	42
13....	30	21	18	18	20	16	60	288	528	199	84	42
14....	30	22	18	19	21	16	66	276	506	188	78	41
15....	33	22	18	19	21	16	79	249	498	180	74	41
16....	34	22	18	19	*21	16	86	216	467	167	79	40
17....	33	22	18	19	21	16	79	196	484	157	92	39
18....	28	22	18	19	21	16	83	202	515	152	98	39
19....	27	22	17	19	21	16	102	194	502	150	104	49
20....	28	21	18	*19	21	16	126	202	528	148	90	50
21....	28	18	18	17	21	*16	135	226	542	152	79	43
22....	28	19	18	19	21	16	146	212	564	160	83	41
23....	30	*21	18	19	21	17	167	249	550	155	74	40
24....	30	21	18	19	21	17	205	304	528	143	79	39
25....	30	20	18	19	21	17	257	364	515	137	96	38
26....	30	19	18	19	21	17	280	400	511	126	79	38
27....	30	18	18	19	21	17	276	442	515	124	72	38
28....	31	18	18	19	21	22	304	528	489	115	64	38
29....	31	18	18	19	....	27	344	572	467	115	66	40
30....	30	18	18	19	....	27	380	586	506	143	76	46
31....	32	....	18	19	....	32	....	528	....	148	79	....
Total	883	666	560	561	567	565	3834	10268	15570	6445	2864	1357
Mean.	28.5	22.2	18.1	18.1	20.2	18.2	128	331	519	208	92.4	45.2
Max..	34	32	19	19	21	32	380	586	647	438	139	68
Min..	25	18	17	16	18	16	33	194	384	115	64	38
Acre-ft.	1750	1320	1110	1110	1120	1120	7600	20370	30880	12780	5680	2690

Total run-off for period=87,530 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Ten Mile Creek at Dillon, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	48	35	21	14	13	14	23	38	590	348	71	36
2....	47	30	21	14	13	14	23	39	542	312	69	35
3....	47	36	21	14	13	15	24	33	476	296	64	34
4....	41	38	20	14	13	16	25	31	413	292	60	33
5....	38	35	20	13	13	16	26	38	360	272	60	33
6....	37	35	20	14	13	15	28	48	409	249	62	33
7....	36	28	21	14	13	17	29	88	506	220	58	32
8....	35	20	21	14	12	17	30	96	472	194	57	31
9....	35	21	21	12	12	17	29	117	599	188	57	31
10....	36	22	21	12	12	16	31	126	682	185	58	31
11....	37	24	20	12	12	16	33	119	643	191	53	31
12....	39	24	19	12	11	16	29	152	568	167	50	31
13....	42	24	19	12	12	15	30	216	537	152	49	30
14....	44	23	20	12	12	17	28	280	537	141	48	30
15....	41	23	21	12	12	17	27	348	550	137	49	31
16....	42	23	20	12	12	16	24	409	550	150	50	31
17....	41	22	19	12	11	16	28	388	493	128	48	31
18....	40	22	19	12	11	16	28	253	480	117	48	30
19....	40	22	19	12	11	14	28	209	489	113	56	30
20....	37	22	20	12	11	16	28	231	520	126	50	30
21....	35	21	20	12	12	18	28	272	515	124	46	30
22....	37	21	21	12	12	18	26	356	490	108	42	30
23....	38	21	19	12	12	19	25	459	460	98	39	30
24....	34	20	20	12	12	19	26	489	440	104	39	30
25....	34	20	19	12	12	18	27	498	440	124	47	30
26....	34	20	18	12	12	18	28	430	434	98	43	31
27....	34	20	17	12	13	17	34	372	376	90	41	31
28....	36	21	16	12	13	18	40	430	352	83	38	31
29....	35	21	14	12	13	21	38	550	352	81	38	31
30....	35	21	15	12	....	24	35	603	348	78	39	30
31....	35	....	15	12	....	24	....	608	....	72	37	....
Total	1190	736	597	387	353	530	858	8326	14628	5038	1566	938
Mean.	38.4	24.5	19.3	12.5	12.2	17.1	28.6	269	488	163	50.5	31.3
Max..	48	38	21	14	13	24	40	608	682	348	71	36
Min..	34	20	14	12	11	14	23	31	348	72	37	30
Acre-ft.	2360	1460	1180	768	700	1050	1700	16510	29010	9990	3110	1860

Total run-off for period=69,700 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Straight Creek Near Dillon, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	6.8	4.6	....	....	....	....	....	17	38	58	11	4.7
2....	6.4	4.4	....	....	....	....	....	17	31	53	10	4.4
3....	6.4	4.6	....	....	....	....	....	17	25	51	9.8	4.4
4....	6.4	5.0	....	....	....	....	....	17	22	48	9.3	4.0
5....	6.1	5.2	....	....	....	....	....	17	19	46	9.3	4.0
6....	6.1	4.2	....	....	....	....	....	17	25	42	8.4	4.0
7....	6.1	3.6	....	....	....	....	....	17	29	39	7.5	4.0
8....	5.8	3.0	....	....	....	....	....	17	30	37	7.2	3.8
9....	5.8	3.2	....	....	....	....	....	17	58	34	7.2	3.8
10....	5.8	3.6	....	....	....	....	....	17	72	33	6.8	3.8
11....	5.8	4.0	....	....	....	....	....	17	68	31	6.8	3.8
12....	5.4	3.8	....	....	....	....	....	17	61	29	6.8	3.8
13....	6.2	3.5	....	....	....	....	....	17	60	26	6.4	3.8
14....	7.2	3.2	....	....	....	....	....	17	61	24	6.4	3.8
15....	7.2	3.2	....	....	....	....	....	17	80	24	6.4	3.8
16....	6.8	3.2	....	....	....	....	....	17	85	23	6.4	3.8
17....	6.4	3.2	....	....	....	....	....	17	79	22	6.1	3.8
18....	6.1	3.4	....	....	....	....	....	17	80	21	6.8	3.8
19....	5.8	4.0	....	....	....	....	....	17	94	22	8.0	3.6
20....	5.6	3.8	....	....	....	....	....	17	101	22	6.8	3.6
21....	6.0	3.8	....	....	....	....	....	17	100	21	6.4	3.6
22....	5.4	3.8	....	....	....	....	....	17	86	19	6.1	3.6
23....	5.8	3.8	....	....	....	....	....	17	80	19	5.8	3.6
24....	6.6	3.8	....	....	....	....	....	17	78	20	6.4	3.6
25....	6.0	3.6	....	....	....	....	....	17	73	18	6.8	3.6
26....	5.6	3.2	....	....	....	....	....	17	71	16	5.8	3.6
27....	5.2	2.8	....	....	....	....	....	17	63	14	5.4	3.6
28....	4.7	2.6	....	....	....	....	....	32	63	14	5.0	3.6
29....	4.4	3.0	....	....	....	....	....	29	60	14	5.4	3.6
30....	4.2	3.2	....	....	....	....	....	35	59	13	5.4	3.6
31....	4.8	....	....	....	....	....	....	38	....	12	5.0	....
Total	182.9	110.3	....	....	....	....	....	593	1851	865	216.9	114.5
Mean.	5.90	3.68	....	....	....	....	....	19.1	61.7	27.9	7.00	3.82
Max..	7.2	5.2	....	....	....	....	....	38	101	58	11	4.7
Min..	4.2	2.6	....	....	....	....	....	....	19	12	5.0	3.6
Acre-ft.	363	219	....	....	....	....	....	1180	3670	1720	430	227

Total run-off for period=7,810 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Willow Creek Near Dillon, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	3.2	4.8	5.2	3.5	2.8	2.8	4.9	57	106	86	8.1	12
2....	3.2	4.8	5.4	3.4	2.9	2.7	5.6	59	143	71	8.1	9.4
3....	3.2	4.8	5.0	3.6	3.2	2.7	6.4	56	67	65	8.1	9.4
4....	3.2	6.2	5.0	3.0	2.9	3.0	7.2	57	49	56	8.1	9.1
5....	3.2	4.8	4.4	3.0	3.1	3.3	8.4	42	43	50	7.8	8.8
6....	3.2	5.5	4.0	3.3	2.9	2.9	10	38	50	44	9.9	8.4
7....	3.2	6.2	3.5	3.3	3.1	3.2	11	33	60	41	12	8.1
8....	3.2	5.5	3.4	3.3	3.0	3.6	9.3	27	64	40	13	7.8
9....	3.2	5.2	3.5	3.3	3.1	3.8	9.3	28	85	36	13	7.8
10....	3.2	4.7	3.6	3.3	2.9	3.4	6.2	20	82	31	14	7.5
11....	3.2	4.7	*3.8	3.2	3.0	3.6	8.4	20	84	28	13	7.8
12....	3.2	4.8	3.9	3.1	3.2	3.7	7.7	23	64	26	13	7.8
13....	5.2	5.2	4.0	3.4	3.2	3.8	5.9	23	51	26	13	7.2
14....	4.0	5.4	4.0	3.6	3.1	3.8	6.2	22	49	23	11	7.2
15....	3.7	5.5	4.0	3.3	2.8	3.5	10	21	48	17	12	6.0
16....	3.7	5.0	4.0	3.5	2.9	3.1	13	19	44	16	12	6.0
17....	3.7	4.6	4.1	3.2	*3.1	3.3	13	18	52	13	13	6.0
18....	3.4	4.3	4.2	2.6	3.2	3.5	12	17	64	11	20	6.0
19....	3.2	4.0	4.1	2.3	3.3	3.6	16	16	73	13	21	6.8
20....	3.2	4.3	4.0	2.6	3.4	*3.4	15	15	67	14	16	6.8
21....	3.2	4.0	3.9	*2.8	3.6	3.6	18	17	85	13	14	7.2
22....	3.2	5.0	3.9	3.1	3.3	4.0	24	16	112	14	14	6.5
23....	4.8	*6.0	4.1	3.3	3.5	*3.7	24	17	110	12	12	6.5
24....	4.3	5.6	4.1	3.3	3.5	3.7	32	18	103	9.1	11	6.0
25....	4.3	5.2	4.1	3.1	3.5	3.7	36	19	101	8.8	10	6.0
26....	4.8	4.8	4.1	2.8	3.2	3.6	35	30	98	8.8	11	6.0
27....	6.2	5.4	4.2	2.9	2.9	3.7	27	54	92	8.1	10	6.0
28....	4.3	5.0	4.3	3.0	2.9	4.2	30	75	89	7.8	9.4	6.0
29....	4.8	4.6	4.3	3.2	....	5.2	38	100	88	8.8	9.4	6.0
30....	5.9	5.0	4.3	3.1	....	5.0	51	121	99	8.1	12	6.0
31....	7.3	....	3.9	2.9	....	4.7	....	98	....	8.1	13	....
Total	121.6	150.9	128.3	97.3	87.5	111.8	500.5	1176	2322	8136	371.9	218.1
Mean.	3.92	503	4.14	3.14	3.12	3.61	16.7	37.9	77.4	26.2	12.0	7.27
Max..	7.3	6.2	5.4	3.6	3.6	5.2	51	121	143	86	21	12
Min..	3.2	4.0	3.4	2.3	2.8	2.7	4.9	15	43	7.8	7.8	6.0
Acre-ft.	241	299	254	193	174	222	993	2330	4610	1610	738	433

Total run-off for period=12,100 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Willow Creek Near Dillon, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	6.5	4.9	4.3	3.5	3.8	3.6	3.5	4.9	65	61	1.5	7.0
2....	6.5	4.4	4.6	3.6	3.9	3.6	3.2	6.1	46	55	1.4	7.4
3....	6.5	4.3	4.3	3.6	4.0	3.6	3.2	5.2	33	52	1.3	7.4
4....	6.0	4.5	4.7	3.2	4.1	3.5	3.5	4.3	29	52	1.2	7.0
5....	6.0	4.7	5.1	3.0	4.1	3.5	3.8	6.4	23	51	1.2	6.4
6....	5.8	4.6	5.4	3.2	4.2	3.4	3.6	9.4	22	44	1.3	6.4
7....	6.0	4.2	5.4	3.3	4.2	3.1	3.6	12	36	35	1.0	6.1
8....	5.5	3.8	5.2	3.3	4.1	3.0	3.8	14	34	32	1.1	5.8
9....	5.5	4.0	4.8	3.0	4.0	3.0	3.4	18	46	30	1.3	5.5
10....	5.5	4.3	4.8	2.7	3.9	3.1	3.9	20	59	30	1.5	5.2
11....	5.3	4.5	4.4	2.9	3.7	3.0	3.7	20	57	29	1.6	5.2
12....	5.5	4.6	3.7	3.1	3.4	2.9	3.5	26	50	24	1.4	5.2
13....	5.5	4.7	3.7	3.1	3.4	2.8	3.4	28	46	21	3.4	4.9
14....	5.3	4.7	5.4	3.0	*3.5	3.1	4.0	34	53	17	9.0	4.0
15....	5.1	4.5	4.9	2.9	3.4	3.0	3.7	45	55	13	9.4	3.8
16....	5.1	4.4	5.0	3.1	3.2	2.9	4.1	48	62	11	8.6	3.6
17....	5.1	4.2	5.2	3.1	3.0	3.1	5.0	46	53	7.8	8.2	4.3
18....	5.1	*4.0	5.4	*3.0	3.0	3.1	4.4	30	50	3.0	9.0	3.6
19....	5.1	3.8	5.4	3.3	3.0	3.0	3.9	23	61	2.4	12	2.2
20....	4.7	3.9	*5.4	3.3	3.1	*2.9	3.9	24	75	2.4	11	2.4
21....	5.1	4.1	5.4	3.3	3.2	2.8	4.7	27	81	2.2	6.7	2.2
22....	5.1	4.1	4.9	3.3	3.3	3.0	4.7	34	75	1.9	6.1	2.2
23....	5.1	4.2	4.7	3.4	3.2	2.9	4.7	46	67	1.8	5.5	2.2
24....	5.1	4.3	5.0	3.5	3.3	3.2	4.6	60	77	1.8	5.8	2.2
25....	5.1	4.3	4.5	3.6	3.4	3.0	4.6	62	78	1.9	9.8	2.4
26....	5.3	4.0	4.1	3.5	3.3	2.9	4.6	50	78	1.6	8.2	2.4
27....	5.1	3.7	3.8	3.3	3.3	3.1	5.2	38	66	1.8	7.8	2.6
28....	5.3	3.6	3.6	3.5	3.4	3.0	5.5	41	62	1.7	7.4	2.6
29....	5.3	3.9	3.7	3.4	3.5	2.8	6.1	66	62	1.7	7.4	2.6
30....	5.3	4.0	3.8	3.6	....	3.3	4.6	67	67	1.7	7.4	2.4
31....	5.3	....	3.6	3.8	....	3.4	....	70	....	1.6	7.0	....
Total	168.7	127.2	144.2	101.4	102.9	96.6	124.4	985.3	1669	592.3	165.5	127.2
Mean.	5.44	4.24	4.65	3.27	3.55	3.12	4.15	31.8	55.6	19.1	5.34	4.24
Max..	6.5	4.9	5.4	3.8	4.2	3.6	6.1	70	81	61	12	7.4
Min..	4.7	3.6	3.6	2.7	3.0	2.8	3.2	4.3	23	1.6	1.0	2.2
Acre-ft.	335	252	286	201	204	192	247	1950	3310	1170	328	252

Total run-off for period=8,730 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Rock Creek Near Dillon, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	6.6	5.2	4.3	4.3	3.7	3.7	6.0	106	110	127	42	30
2....	6.6	5.2	4.3	4.2	3.6	3.5	6.6	104	150	108	54	26
3....	6.6	4.4	4.1	4.1	3.6	3.4	8.0	112	90	103	53	23
4....	6.6	4.4	4.0	4.1	3.6	3.4	9.4	108	64	101	42	21
5....	5.2	4.4	4.0	3.8	3.7	3.4	11	75	50	97	37	20
6....	5.2	4.4	4.0	3.9	3.8	3.3	13	59	64	92	33	19
7....	5.2	4.4	4.0	3.9	3.8	3.3	14	48	79	88	33	18
8....	5.2	4.4	4.2	3.9	3.8	3.3	14	40	101	86	31	17
9....	4.4	4.3	4.3	3.8	3.7	3.2	13	36	120	81	30	17
10....	4.4	4.0	4.3	3.8	3.7	3.2	12	40	120	75	30	17
11....	4.4	3.9	*4.2	3.8	3.7	3.2	11	48	108	75	30	16
12....	4.4	4.1	4.2	3.8	3.5	3.2	11	48	97	77	30	13
13....	4.4	4.6	4.2	3.9	3.5	3.2	13	41	92	75	26	12
14....	5.2	4.8	4.2	3.9	3.6	3.2	14	41	92	67	26	12
15....	5.2	4.7	4.2	4.0	3.7	3.1	*16	36	92	65	26	12
16....	5.2	4.7	4.3	3.9	3.7	3.1	20	28	81	65	30	12
17....	4.4	4.7	4.4	3.8	*3.7	3.1	21	26	88	62	36	12
18....	4.4	4.5	4.4	3.7	3.7	3.1	20	26	103	60	43	13
19....	4.4	4.4	4.4	3.4	3.8	3.1	23	26	106	60	44	13
20....	6.2	4.4	4.4	3.3	3.8	*3.1	26	23	122	53	37	14
21....	4.4	4.4	4.4	*3.5	3.8	3.3	28	27	137	59	32	13
22....	4.4	4.6	4.4	3.7	3.9	3.5	31	25	132	64	33	13
23....	5.2	*5.4	4.4	3.7	3.9	3.4	40	32	139	59	30	13
24....	5.2	5.2	4.5	3.8	3.8	3.4	56	40	142	52	34	11
25....	5.2	4.8	4.5	3.8	3.8	3.4	65	52	157	44	43	11
26....	5.2	4.5	4.5	3.7	3.7	3.2	63	64	144	44	36	11
27....	4.4	4.4	4.5	3.7	3.7	3.9	56	77	139	46	31	11
28....	4.4	4.4	4.5	3.7	3.7	4.9	63	110	139	46	27	11
29....	5.2	4.3	4.5	3.7	....	5.6	77	115	139	47	26	11
30....	5.2	4.3	4.5	3.7	....	5.6	91	124	174	47	30	11
31....	5.2	....	4.5	3.7	....	5.4	....	112	....	42	36	....
Total	158.2	136.2	133.6	118.0	104.0	110.7	852	1849	3371	2167	1071	453
Mean.	5.10	4.54	4.31	3.81	3.71	3.57	28.4	59.6	112	69.9	34.5	15.2
Max..	6.6	5.4	4.5	4.3	3.9	5.6	91	124	174	127	54	30
Min..	4.4	3.9	4.0	3.3	3.5	3.1	6.0	23	50	42	26	11
Acre-ft.	314	270	265	234	206	220	1690	3670	6690	4300	2120	899

Total run-off for period=20,880 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Rock Creek Near Dillon, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	11	6.5	5.4	3.7	3.7	5.2	6.2	5.4	120	94	23	7.8
2....	11	6.2	5.6	3.9	3.9	5.4	5.8	5.8	90	92	23	7.4
3....	11	5.8	5.4	4.0	4.1	5.4	5.8	6.6	70	102	23	7.4
4....	10	6.2	5.4	3.8	4.4	5.2	6.0	7.4	59	100	22	7.4
5....	9.6	6.4	5.6	3.0	4.6	5.0	6.0	9.0	48	96	19	7.4
6....	9.0	6.0	6.4	3.5	4.8	4.8	6.0	11	60	85	16	7.4
7....	8.2	5.2	6.4	3.5	5.0	4.6	6.0	14	90	71	16	7.0
8....	7.6	5.0	6.4	3.0	5.0	4.2	6.2	17	80	64	15	7.0
9....	7.4	5.4	6.4	2.5	4.8	4.5	6.4	20	94	68	16	7.0
10....	7.4	6.0	*6.0	2.5	4.6	4.7	6.6	19	115	66	16	6.8
11....	7.4	6.4	5.6	2.8	4.3	4.5	6.2	25	110	70	15	6.8
12....	7.5	6.8	5.2	2.7	4.1	4.4	5.6	32	102	56	15	6.3
13....	*7.5	6.8	5.2	2.6	4.0	5.0	5.4	44	96	48	13	6.3
14....	8.0	6.8	6.0	2.6	*4.2	5.4	5.0	49	94	46	13	5.8
15....	8.0	6.4	5.6	2.7	4.0	5.0	5.0	66	96	44	13	5.8
16....	7.8	6.2	5.8	2.8	3.9	5.2	5.0	84	104	41	13	5.8
17....	8.0	6.0	6.0	*2.7	3.8	5.8	5.0	44	94	38	12	5.6
18....	8.0	*5.4	6.2	2.8	3.8	6.0	4.6	49	87	35	13	5.3
19....	7.8	5.4	6.6	3.0	3.8	5.2	4.2	38	104	42	18	5.1
20....	7.6	5.8	6.8	2.9	3.9	*5.5	4.0	33	115	50	16	5.1
21....	7.9	5.8	6.8	2.9	4.0	5.7	4.5	40	117	42	14	5.1
22....	6.8	5.6	6.4	3.0	4.5	5.7	4.2	58	112	40	13	5.3
23....	7.1	5.8	6.4	3.2	4.3	5.9	4.0	84	100	38	12	5.1
24....	10	6.0	6.0	3.4	4.3	6.2	*3.7	106	117	42	13	5.1
25....	8.5	6.0	5.0	3.4	4.8	5.7	4.0	98	124	48	18	4.8
26....	8.2	5.0	4.5	3.1	5.0	5.4	4.5	77	115	40	15	4.8
27....	7.9	4.4	4.2	3.0	4.5	5.7	5.2	63	100	34	12	4.6
28....	6.5	4.3	4.0	3.2	4.5	5.6	6.0	66	90	28	11	4.6
29....	6.4	4.5	4.2	3.1	5.0	5.6	5.4	94	102	26	9.8	4.6
30....	6.4	4.8	4.4	3.5	....	5.8	5.0	124	106	26	9.4	4.4
31....	6.4	....	4.0	3.8	....	6.0	....	134	....	24	8.2	....
Total	251.9	172.9	173.9	96.6	125.6	164.3	157.5	1523.2	2911	1696	465.4	178.9
Mean.	8.13	5.76	5.61	3.12	4.33	5.30	5.25	49.1	97.0	54.7	15.0	5.96
Max..	11	6.8	6.8	4.0	5.0	6.2	6.6	134	124	102	23	7.8
Min..	6.4	4.3	4.0	2.5	3.7	4.2	3.7	5.4	48	24	8.2	4.4
Acre-ft.	500	343	345	192	249	326	312	3020	5770	3360	923	355

Total run-off for period=15,700 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Boulder Creek Near Dillon, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.0	0.1	....	....	....	....	....	64	88	92	16	8.7
2....	0.0	0.2	....	....	....	....	....	62	152	88	23	7.9
3....	0.0	0.3	....	....	....	....	....	71	84	88	25	7.0
4....	0.0	0.2	....	....	....	....	....	63	47	96	19	6.6
5....	0.0	0.2	....	....	....	....	....	41	37	83	15	5.8
6....	0.0	0.2	....	....	....	....	....	29	38	78	14	5.2
7....	0.0	0.2	....	....	....	....	....	22	44	70	13	4.6
8....	0.0	0.1	....	....	....	....	0.2	24	65	67	12	4.1
9....	0.0	0.1	....	....	....	....	....	26	84	59	11	3.7
10....	0.0	0.1	*	....	....	....	....	26	112	54	10	3.3
11....	0.0	0.1	....	....	....	....	....	18	94	50	8.2	2.9
12....	0.0	0.1	....	....	....	....	....	16	72	53	7.3	2.7
13....	0.0	0.1	....	....	....	....	....	14	59	54	6.5	2.4
14....	0.0	0.1	....	....	....	....	....	11	53	41	6.0	2.2
15....	0.0	0.2	0.1	0.1	0.1	0.2	*0.2	9.7	50	38	5.6	2.1
16....	0.0	0.1	....	....	....	....	0.5	7.9	43	39	6.4	1.9
17....	0.0	0.1	....	....	*	....	2.0	7.0	54	41	11	1.8
18....	0.0	0.2	....	....	....	....	5.0	6.5	100	33	19	1.8
19....	0.0	0.1	....	....	....	....	8.0	8.4	118	36	17	2.7
20....	0.1	0.2	....	....	....	*	10	13	147	30	14	1.6
21....	0.0	0.1	....	*	....	....	14	13	178	27	11	1.5
22....	0.0	0.2	....	....	....	....	16	13	166	32	10	1.5
23....	0.0	0.1	....	....	....	....	17	16	158	42	8.9	1.4
24....	0.0	0.2	....	....	....	....	24	20	145	32	11	1.4
25....	0.0	0.3	....	....	....	....	31	26	145	21	18	1.4
26....	0.0	0.2	....	....	....	....	31	41	138	20	14	1.3
27....	0.0	0.2	....	....	....	....	24	48	132	20	11	1.3
28....	0.0	0.1	....	....	....	....	29	92	124	20	8.7	1.7
29....	0.0	0.1	....	....	....	....	43	122	100	20	7.6	1.8
30....	0.0	0.1	....	....	....	....	58	124	143	19	7.4	1.9
31....	0.0	....	....	....	....	....	....	108	....	18	10	....
Total	0.1	4.6	3.1	3.1	2.8	6.2	315.5	1162.5	2970	1461	376.6	94.2
Mean.	0	1.5	0.1	0.1	0.1	0.2	10.5	37.5	99.0	47.1	12.1	3.14
Max..	0.1	0.3	....	....	....	....	58	124	178	96	25	8.7
Min..	0	0.1	....	....	....	....	....	6.5	37	18	6.0	1.3
Acre-ft.	0.2	9.1	6.1	6.1	5.6	12	626	2310	5890	2900	747	187

Total run-off for period=12,700 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Boulder Creek Near Dillon, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.9	0	0.5	0.6	1.2	1.2	1.1	1.0	67	67	4.2	0.1
2....	1.4	0.4	0.6	0.7	1.1	1.2	0.9	0.9	53	70	3.3	0.1
3....	1.1	0.4	0.5	0.8	1.3	1.2	1.0	1.7	39	61	1.9	0
4....	0.9	0.4	0.7	0.7	1.3	1.1	1.0	2.0	31	58	1.3	0
5....	0.8	0.5	0.9	0.5	1.5	1.0	1.1	1.7	24	57	0.7	0
6....	0.6	0.5	0.9	0.7	1.7	0.9	1.0	2.5	24	53	0.6	0
7....	0.5	0.4	0.9	0.8	1.8	0.8	1.0	2.9	43	47	0.7	0
8....	0.5	0.3	0.8	0.6	1.6	0.8	1.1	3.1	46	42	0.6	0
9....	0.4	0.4	0.8	0.5	1.5	0.9	0.9	5.0	53	46	0.8	0
10....	0.4	0.5	0.8	0.5	1.4	1.0	1.2	7.0	67	40	0.8	0
11....	0.4	0.6	0.7	0.6	1.3	1.0	1.0	7.0	60	33	0.6	0
12....	0.4	0.7	0.6	0.6	1.2	1.1	0.9	9.1	57	30	0.5	0
13....	0.4	0.7	0.6	0.7	1.3	1.1	0.9	13	55	26	0.3	0
14....	0.4	0.6	0.9	0.8	*1.3	1.2	1.2	20	58	24	0.3	0
15....	0.3	0.6	0.8	0.7	1.2	1.0	0.8	30	58	23	0.2	0
16....	0.2	0.6	0.8	1.0	1.1	1.0	1.1	37	62	20	0.2	0
17....	0.1	0.5	0.9	0.9	1.0	1.2	1.7	30	60	20	0.2	0
18....	0.1	0.5	0.9	*1.2	1.0	1.0	1.2	27	62	16	0.2	0
19....	0	0.5	0.9	1.3	0.9	0.9	0.8	18	78	17	0.6	0
20....	0	0.4	*0.9	1.1	1.0	0.9	*0.8	16	64	20	0.6	0
21....	0	0.7	0.9	1.1	1.0	1.0	0.9	18	57	16	0.6	0
22....	0	0.4	0.8	1.2	1.1	0.9	0.9	24	54	14	0.6	0
23....	0	0.5	0.8	1.2	1.0	1.0	0.8	31	57	12	0.5	0
24....	0	0.6	0.9	1.0	1.0	1.2	0.8	38	84	19	0.5	0
25....	0	0.5	0.6	0.9	1.1	1.0	0.8	40	80	23	0.5	0
26....	0	0.4	0.6	0.9	1.0	0.9	0.8	36	70	14	0.4	0
27....	0	0.3	0.5	1.1	0.9	1.0	0.9	32	70	11	0.3	0
28....	0	0.3	0.5	0.9	1.0	0.8	1.0	36	53	8.3	0.3	0
29....	0	0.4	0.6	1.0	1.1	0.9	0.9	54	67	5.3	0.2	0
30....	0	0.4	0.7	1.0	....	1.0	0.9	61	67	4.9	0.1	0
31....	0	....	0.6	1.0	....	1.1	....	63	....	5.0	0.1	....
Total	10.8	14.0	22.9	26.6	34.9	31.3	29.4	667.9	1720	902.5	22.7	0.2
Mean.	0.35	0.47	0.74	0.86	1.20	1.01	0.98	21.5	57.3	29.1	0.73	0.01
Max..	1.9	0.7	0.9	1.3	1.8	1.2	1.7	63	84	70	4.2	0.1
Min..	0	0	0.5	0.5	0.9	0.8	0.8	0.9	24	4.9	0.1	0
Acre-ft.	21	28	45	53	69	62	58	1320	3410	1790	45	0.4

Total run-off for period=6,900 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Slate Creek Near Dillon, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.0	0.8	3.2	2.9	2.4	2.7	8.4	42	68	103	15	18
2....	1.0	0.8	3.2	2.9	2.6	2.6	9.0	43	123	74	26	14
3....	0.7	0.7	3.1	2.6	2.7	2.7	10	57	62	64	33	12
4....	0.6	0.7	3.0	2.4	2.5	2.8	12	62	33	60	20	10
5....	0.6	0.7	2.8	2.5	2.7	2.8	12	49	23	48	14	8.9
6....	0.5	1.2	2.8	2.6	2.8	2.7	13	40	18	53	18	8.3
7....	0.5	1.7	2.8	2.6	2.9	2.8	14	33	22	49	26	8.0
8....	0.5	2.3	2.8	2.5	2.9	3.0	12	28	37	54	28	7.8
9....	0.5	3.9	3.0	2.5	2.8	3.0	11	26	49	45	28	7.8
10....	0.5	3.3	3.2	2.4	2.6	3.0	9.7	24	67	42	25	7.2
11....	0.5	3.2	*3.4	2.4	2.7	3.1	8.9	22	62	41	24	6.7
12....	0.5	3.4	3.3	2.3	2.8	3.2	7.6	22	48	37	21	6.1
13....	0.5	3.5	3.2	2.4	2.9	3.4	10	22	50	41	20	5.3
14....	0.5	3.7	3.3	2.5	2.9	3.5	11	22	39	32	13	5.0
15....	0.6	3.8	3.4	2.6	2.6	3.5	14	24	37	28	13	4.8
16....	0.6	3.4	3.5	2.6	2.6	3.4	14	22	26	29	16	4.5
17....	0.6	3.6	3.6	2.6	*2.7	3.5	15	20	34	25	22	4.0
18....	0.6	3.8	3.5	2.6	2.8	3.6	14	19	64	20	38	4.0
19....	0.5	3.6	3.5	2.6	2.9	3.7	16	19	84	20	48	5.0
20....	0.5	3.4	3.5	2.5	3.0	*3.6	18	17	94	17	37	5.0
21....	0.5	*3.2	3.3	*2.4	3.0	3.4	19	17	111	19	26	4.5
22....	0.4	3.1	3.3	2.4	3.1	3.5	21	17	115	25	23	4.0
23....	0.6	3.2	3.3	2.5	3.1	3.7	23	18	119	23	20	3.5
24....	0.6	3.2	3.2	2.6	3.0	3.9	27	23	113	24	25	3.2
25....	0.6	3.1	3.1	2.6	3.0	3.6	30	30	125	15	41	3.0
26....	0.6	3.0	3.0	2.6	2.7	3.9	27	38	121	18	32	3.0
27....	0.5	3.1	3.0	2.4	2.8	4.8	24	37	115	22	32	3.2
28....	0.6	3.1	3.0	2.5	2.9	5.4	26	45	123	22	17	3.0
29....	0.6	2.9	3.0	2.7	....	6.2	31	67	99	20	14	2.5
30....	0.6	3.0	3.0	2.7	....	7.0	39	94	157	18	15	2.0
31....	0.8	....	3.0	2.6	....	7.6	....	81	....	17	22	....
Total	18.2	82.4	98.3	79.0	78.4	115.6	506.6	1080	2238	1105	742	184.3
Mean.	0.59	2.75	3.17	2.55	2.80	3.73	16.9	34.8	74.6	35.6	23.9	6.14
Max..	1.0	3.9	3.6	2.9	3.1	7.6	39	94	157	103	48	18
Min..	0.4	0.7	2.8	2.3	2.4	2.6	7.6	17	18	15	13	2.0
Acre-ft.	36	163	195	157	156	229	1000	2140	4440	2190	1470	366

Total run-off for period=12,540 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Slate Creek Near Dillon, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.6	1.2	3.6	3.2	3.2	3.0	3.5	3.0	88	62	3.0	2.8
2....	1.5	1.0	3.6	3.2	3.2	3.0	3.5	3.0	72	61	3.5	2.3
3....	1.4	1.0	3.6	3.2	3.2	3.1	3.5	2.5	57	61	7.1	2.2
4....	1.5	1.6	3.6	3.2	3.2	3.1	3.6	3.2	44	63	8.0	2.1
5....	1.5	1.5	3.6	3.2	3.2	3.1	3.6	4.2	34	64	12	2.2
6....	1.5	1.1	3.6	3.2	3.2	3.1	3.6	9.0	33	57	16	2.0
7....	1.5	1.1	3.5	3.1	3.1	3.1	3.6	12	50	48	14	2.3
8....	1.5	1.0	3.5	3.0	3.1	3.1	3.7	14	44	33	14	2.2
9....	1.5	1.0	3.5	2.9	3.0	3.2	3.7	15	45	38	13	2.3
10....	1.6	1.2	3.5	2.9	3.0	3.2	3.7	18	58	36	14	2.3
11....	1.7	3.0	3.5	2.9	2.9	3.3	3.7	20	56	36	12	2.4
12....	1.7	4.8	3.5	2.9	2.9	3.3	3.7	25	52	29	10	2.4
13....	1.8	5.0	3.5	2.9	2.8	3.3	3.7	34	38	22	7.7	2.4
14....	1.7	5.0	3.5	2.9	2.8	3.4	3.6	45	42	19	8.0	2.4
15....	1.5	5.0	3.6	2.9	2.8	3.4	3.6	56	40	18	8.0	2.4
16....	1.4	4.5	3.6	2.9	2.7	3.4	3.6	71	54	15	7.7	2.3
17....	1.3	4.5	3.6	2.9	2.7	3.4	3.6	67	49	14	7.4	2.3
18....	1.2	3.2	3.6	*2.9	2.7	*3.4	3.6	44	48	10	7.1	2.2
19....	1.0	3.2	3.7	2.9	2.7	3.5	3.5	29	61	13	8.5	2.1
20....	1.0	3.2	*3.7	3.0	2.8	3.5	3.5	28	77	21	10	2.1
21....	1.1	3.5	3.7	3.0	2.8	3.6	3.5	30	80	22	9.0	1.8
22....	1.2	3.2	3.7	3.0	2.9	3.7	3.4	35	82	16	7.1	1.8
23....	1.3	3.2	3.7	3.0	2.9	3.7	3.4	50	64	12	6.5	1.6
24....	1.4	3.0	3.6	3.0	2.9	3.8	*3.3	64	74	21	6.5	1.8
25....	1.4	3.0	3.5	3.0	2.9	3.8	3.2	67	88	32	11	1.7
26....	1.4	3.1	3.3	3.1	2.9	3.7	3.1	51	80	17	13	1.5
27....	1.3	3.2	3.2	3.1	3.0	3.7	3.0	43	57	11	9.5	1.5
28....	1.2	3.3	3.1	3.2	3.0	3.6	2.8	50	48	7.7	7.4	1.5
29....	1.2	3.4	3.1	3.2	3.0	3.6	3.2	67	58	7.4	6.2	1.4
30....	1.2	3.4	3.1	3.2	....	3.6	2.8	93	67	6.8	4.8	1.4
31....	1.2	....	3.2	3.2	....	3.6	....	102	....	5.9	3.8	....
Total	43.3	85.4	108.6	942	85.5	105.3	103.8	1154.9	1740	878.8	275.8	61.7
Mean.	1.40	2.85	3.50	3.04	2.95	3.40	3.46	37.3	58.0	28.3	8.90	2.06
Max..	1.8	5.0	3.7	3.2	3.2	3.8	3.7	102	88	64	16	2.8
Min..	1.0	1.0	3.1	2.9	2.7	3.0	2.8	2.5	33	5.9	3.0	1.4
Acre-ft.	86	169	215	187	170	209	206	2290	3450	1740	547	122

Total run-off for period=9,390 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Black Creek Below Black Lake Near Dillon, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	3.9	2.4	3.0	2.5	4.8	3.3	8.0	82	110	216	63	41
2....	3.4	2.2	3.4	2.6	4.4	3.2	8.6	80	197	151	72	29
3....	3.4	2.2	3.2	2.7	4.0	3.1	10	80	117	137	81	24
4....	5.7	2.2	4.2	2.7	3.5	2.9	12	79	76	131	65	20
5....	5.5	2.4	4.4	2.6	3.3	2.8	13	66	65	128	54	16
6....	5.0	2.6	3.2	2.4	3.0	2.7	15	59	64	137	49	14
7....	4.4	2.2	3.0	2.3	2.8	2.7	16	40	82	127	50	14
8....	2.8	2.2	3.4	2.2	2.6	2.7	15	32	102	127	53	14
9....	2.6	2.2	3.0	2.3	2.6	2.7	14	25	126	124	50	15
10....	2.2	2.4	3.2	2.4	2.5	2.8	14	27	151	119	47	13
11....	2.2	2.2	3.4	2.4	2.5	2.8	13	32	137	120	44	13
12....	2.2	2.4	3.0	2.5	2.5	3.0	14	30	108	120	42	12
13....	2.0	2.4	3.2	2.5	2.5	3.1	15	30	97	137	39	13
14....	2.0	2.8	3.4	2.6	2.5	3.3	16	30	89	108	36	13
15....	2.2	3.0	3.4	2.7	2.6	3.5	18	28	78	91	34	12
16....	2.4	3.4	3.2	2.7	2.6	3.5	20	25	70	101	39	11
17....	2.4	3.4	3.0	2.7	2.7	3.5	20	22	87	99	46	9.7
18....	2.4	3.4	3.2	2.7	2.8	3.3	23	22	133	91	66	9.7
19....	2.4	3.4	3.4	2.6	2.9	3.3	27	22	158	89	120	11
20....	2.4	3.0	3.4	2.5	3.1	3.2	31	20	183	86	94	9.7
21....	2.2	2.8	3.4	2.3	3.3	3.2	38	22	204	92	54	9.7
22....	2.2	3.0	3.4	2.3	3.5	3.5	45	22	212	91	46	9.3
23....	3.0	3.2	3.4	2.4	3.7	4.0	45	40	213	95	44	9.3
24....	3.0	3.4	2.8	2.5	3.7	4.7	49	40	199	87	45	9.3
25....	2.2	3.2	2.6	3.0	3.7	*5.3	54	51	199	70	89	8.1
26....	2.2	3.0	2.6	3.5	3.6	5.4	60	76	208	70	64	8.1
27....	2.4	3.0	2.4	*4.2	3.5	5.4	56	108	191	72	47	7.6
28....	2.4	3.0	2.2	*4.6	3.5	5.6	56	142	194	77	39	7.6
29....	2.2	3.0	2.2	4.8	....	5.8	62	147	172	71	32	7.6
30....	2.2	3.2	2.2	4.9	....	6.4	72	197	237	68	33	7.6
31....	2.2	....	2.4	5.0	....	7.2	....	140	....	68	60	....
Total	87.7	83.2	96.2	90.1	88.7	117.9	859.6	1816	4259	3300	1697	398.3
Mean	2.83	2.77	3.10	2.91	3.17	3.80	28.7	58.6	142	106	54.7	13.3
Max..	5.7	3.4	4.4	5.0	4.8	7.2	72	197	237	216	120	41
Min..	2.0	2.2	2.2	2.2	2.5	2.7	8.0	20	64	68	32	7.6
Acre-ft.	174	165	191	179	176	234	1700	3600	8450	6550	3370	790

Total run-off for period=25,580 acre-feet.

*Discharge measurement made on this day.

Discharge of Black Creek Below Black Lake Near Dillon, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	7.6	7.2	3.2	2.8	2.9	2.6	3.2	3.1	149	154	42	12
2....	7.2	6.1	3.2	2.8	2.9	2.7	3.3	3.2	109	156	42	10
3....	7.2	5.7	3.1	2.7	2.9	2.7	3.3	3.3	82	146	42	9.4
4....	6.8	8.1	3.0	2.7	2.8	2.7	3.3	3.3	61	162	37	8.7
5....	6.4	6.8	3.0	2.7	2.8	2.7	3.3	3.3	47	167	36	8.4
6....	6.1	5.0	3.0	2.7	2.8	2.7	3.3	3.6	49	149	32	8.4
7....	5.7	5.4	3.0	2.7	2.7	2.7	3.3	6.0	77	130	31	8.1
8....	5.0	5.0	2.9	2.7	2.6	2.8	3.3	8.0	83	112	32	7.2
9....	4.3	5.0	2.9	2.7	2.6	2.8	3.3	10	106	118	32	6.9
10....	3.9	5.0	2.9	2.7	2.6	2.9	3.3	9.5	149	124	31	6.6
11....	3.9	4.6	2.8	2.7	2.5	2.9	3.2	13	152	118	30	6.3
12....	3.6	4.6	2.8	2.7	2.5	2.9	3.2	20	120	100	27	6.0
13....	4.6	4.6	2.8	2.7	2.5	2.9	3.2	27	92	84	24	5.8
14....	5.0	3.9	2.8	2.7	2.5	2.9	3.2	37	109	79	22	5.4
15....	5.0	3.9	2.8	2.7	2.4	2.9	3.1	50	112	78	22	5.2
16....	5.0	3.6	2.8	2.7	2.4	2.9	3.0	58	149	79	23	4.8
17....	5.0	3.6	2.8	2.7	2.4	2.9	3.0	56	130	74	21	4.4
18....	5.0	3.6	2.9	2.7	2.5	2.9	3.0	45	97	61	20	4.0
19....	5.7	3.2	2.9	2.7	2.5	3.0	2.9	35	143	68	22	3.8
20....	5.7	3.2	2.9	2.7	2.5	3.0	2.9	33	170	79	23	3.6
21....	5.4	3.2	2.9	2.7	2.6	3.1	2.9	33	175	74	21	3.4
22....	4.6	3.0	2.9	2.7	2.6	3.1	2.8	42	172	63	18	3.4
23....	5.4	2.8	2.9	2.7	2.6	3.2	2.7	73	149	60	18	3.4
24....	5.0	2.8	2.8	2.7	2.6	3.3	2.7	102	172	70	19	3.6
25....	5.0	2.8	2.8	2.7	2.6	3.3	2.7	92	186	82	33	3.6
26....	5.0	3.0	2.8	2.7	2.6	3.3	2.8	72	173	62	28	3.8
27....	5.0	3.0	2.8	2.8	2.6	3.2	2.9	62	127	51	23	4.0
28....	5.4	3.0	2.8	2.9	2.6	3.1	3.0	82	115	47	18	3.8
29....	5.7	3.2	2.8	2.9	2.6	3.1	3.0	114	157	46	16	4.0
30....	7.2	3.2	2.8	2.9	....	3.1	3.1	156	165	44	14	3.4
31....	6.8	....	2.8	2.9	....	3.1	....	159	....	46	13	....
Total	169.2	128.1	89.6	84.8	75.7	91.4	92.2	1414.3	3777	2883	812	171.4
Mean	5.46	4.27	2.89	2.74	2.61	2.95	3.07	45.6	126	93.0	26.2	5.71
Max..	7.6	8.1	3.2	2.9	2.9	3.3	3.3	159	186	167	42	12
Min..	3.6	2.8	2.8	2.7	2.4	2.6	2.7	3.1	47	44	13	3.4
Acre-ft.	336	254	178	168	150	181	183	2810	7490	5720	1610	340

Total run-off for period=19,420 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of Black Creek Above Green Mt. Res. Near Kremmling, Colo., for Year Ending
Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	126	135	42	10
2....	101	136	41	9.0
3....	78	130	41	8.2
4....	59	138	38	7.5
5....	41	140	35	7.1
6....	37	126	31	7.1
7....	58	117	29	7.1
8....	68	103	29	6.3
9....	79	104	28	5.7
10....	120	112	28	5.3
11....	127	109	26	5.3
12....	112	96	24	5.0
13....	84	82	21	4.7
14....	89	77	19	4.7
15....	97	78	18	4.5
16....	125	80	20	4.1
17....	116	78	18	3.7
18....	May 20	88	66	18	3.5
19....	to 31	120	72	20	3.3
20....	36	142	84	21	3.3
21....	37	149	82	19	3.2
22....	46	152	73	16	3.1
23....	84	138	69	15	3.2
24....	113	157	79	15	3.3
25....	109	168	90	27	3.4
26....	90	159	73	27	3.3
27....	78	125	58	22	3.2
28....	90	105	52	18	3.1
29....	118	136	50	14	3.7
30....	138	142	47	13	4.7
31....	132	....	47	11	....
Total	1071	3308	2783	744	149.6
Mean.	89.2	110	89.8	24.0	4.99
Max..	138	168	140	42	10
Min...	36	37	47	11	3.1
Acre-ft.	2120	6560	5520	1480	297

Total run-off for period=15,980 acre-feet.

**Discharge of Otter Creek Above Green Mt. Res. Near Kremmling, Colo., for Year Ending
Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	32	14	2.4	1.1
2....	31	14	2.4	1.3
3....	26	13	2.2	1.3
4....	23	13	2.0	1.1
5....	17	13	2.2	1.1
6....	19	12	2.0	1.1
7....	25	10	2.0	1.1
8....	26	9.5	1.8	0.9
9....	25	9.0	1.8	0.9
10....	31	9.0	1.8	0.5
11....	30	8.5	1.6	0.7
12....	26	7.5	1.6	0.7
13....	22	7.0	1.8	0.5
14....	23	6.1	1.8	0.5
15....	22	6.1	1.8	0.5
16....	26	6.1	1.8	0.5
17....	24	5.7	1.8	0.7
18....	May 20	21	4.9	1.8	0.5
19....	to 31	22	4.9	2.2	0.5
20....	8.5	27	5.7	2.4	0.5
21....	8.5	29	6.1	2.2	0.5
22....	11	31	5.3	2.0	0.5
23....	15	28	4.9	1.8	0.5
24....	17	28	5.3	1.6	0.7
25....	17	25	5.7	1.6	0.7
26....	22	22	4.9	1.6	0.7
27....	12	17	3.8	1.6	0.5
28....	13	14	2.6	1.3	0.5
29....	14	15	2.4	1.3	0.5
30....	19	15	2.6	1.3	0.5
31....	28	....	2.4	1.1	....
Total	178.0	722	225.0	56.6	21.6
Mean.	14.8	24.1	7.26	1.83	.72
Max..	28	32	14	2.4	1.3
Min...	8.5	14	2.4	1.1	0.5
Acre-ft.	353	1430	446	112	43

Total run-off for period=2,380 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Cataract Creek Above Green Mt. Res. Near Kremmling, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....									111	94	14	2.5
2....									91	94	14	2.2
3....									75	84	8.1	3.2
4....									62	87	8.5	3.0
5....									43	91	12	3.0
6....									38	82	14	1.7
7....									54	75	7.3	1.4
8....									60	66	7.3	1.0
9....									87	60	11	0.6
10....									106	60	7.7	0.8
11....									109	60	7.3	0.8
12....									79	51	6.5	0.8
13....									77	51	5.3	0.8
14....									84	37	7.7	0.6
15....									87	33	7.3	0.6
16....									117	31	5.7	0.8
17....									101	28	6.1	0.8
18....									79	26	7.3	1.1
19....								May 21	99	27	6.1	0.6
20....								to 31	130	32	5.7	0.4
21....									49	146	30	5.7
22....									31	138	28	4.9
23....									49	119	24	4.2
24....									56	138	24	3.8
25....									69	151	26	4.5
26....									54	114	23	6.1
27....									49	96	21	4.9
28....									60	99	27	4.0
29....									75	111	18	3.5
30....									89	104	14	3.0
31....									119	13	3.0	...
Total								700	2905	1417	216.5	30.4
Mean..								63.6	96.8	45.7	6.98	1.01
Max...								119	151	94	14	3.2
Min...								31	38	13	3.0	0.2
Acre-ft.								1390	5760	2810	429	60

Total run-off for period=10,450 acre-feet.

Discharge of Elliott Creek Feeder Canal to Green Mt. Res. Near Kremmling, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....									121	62	6.7	1.4
2....									98	51	6.7	1.4
3....									82	39	6.4	1.3
4....									68	53	5.8	1.3
5....									64	58	6.1	1.3
6....									56	39	5.5	1.3
7....									51	26	5.5	1.4
8....									54	20	5.8	1.3
9....									59	17	5.8	1.2
10....									112	17	5.8	1.2
11....									107	9.8	5.8	1.6
12....									88	9.8	5.2	2.0
13....									90	7.0	5.8	1.2
14....									100	6.1	4.7	1.2
15....									94	5.5	4.4	1.4
16....									117	5.5	4.7	1.4
17....									100	5.2	3.5	1.2
18....									88	3.1	2.2	1.6
19....									102	2.2	2.0	2.0
20....								May 22	126	2.0	1.8	2.2
21....								to 31	129	1.8	1.6	1.8
22....									122	1.8	1.6	1.8
23....									43	104	1.6	2.0
24....									69	111	1.8	2.2
25....									71	112	2.0	2.4
26....									76	90	4.4	2.4
27....									70	73	5.2	2.4
28....									82	68	6.7	2.4
29....									88	77	7.6	2.7
30....									96	68	7.6	2.2
31....									120	7.3	1.4	...
Total								737	2731	486.0	117.2	51.0
Mean..								73.7	91.0	15.7	3.78	1.70
Max...								120	129	62	6.7	2.7
Min...								22	51	1.6	1.4	1.2
Acre-ft.								1460	5420	964	232	101

Total run-off for period=8,180 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Piney River Near State Bridge, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....									490	225	35	5.5
2....									430	215	33	5.2
3....									394	202	29	5.5
4....									328	222	28	5.8
5....									296	218	27	5.5
6....									300	189	26	5.0
7....									362	173	25	5.5
8....									382	154	24	5.0
9....									454	138	24	4.2
10....									510	129	22	4.2
11....									478	126	21	4.5
12....									426	102	17	3.8
13....									394	90	15	3.3
14....									402	83	15	3.3
15....									394	80	16	3.3
16....									442	74	17	3.5
17....									390	67	12	3.3
18....									332	62	10	3.3
19....									370	62	12	3.1
20....									414	64	13	3.1
21....									406	61	10	2.9
22....									394	61	9.5	3.1
23....									339	58	9.0	3.3
24....									346	61	9.0	3.3
25....									343	68	17	3.5
26....									321	50	13	3.5
27....									264	46	9.0	3.5
28....								May 30	232	45	7.5	3.5
29....								and 31	264	45	7.0	3.8
30....								530	264	43	7.0	3.8
31....								522	...	39	6.0	...
Total								1052	11161	3252	5250	1201
Mean..									372	105	16.9	4.00
Max...									510	225	35	5.8
Min...									232	39	6.0	2.9
Acre-ft.									22140	6450	1040	238

Total run-off for period=29,870 acre-feet.

Discharge of Eagle River at Redcliff, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....									175	56	21	17
2....									166	56	21	16
3....									157	56	22	16
4....									145	55	21	16
5....									132	55	20	16
6....									124	50	23	16
7....									126	46	23	14
8....									124	43	22	14
9....									134	41	20	14
10....									157	40	20	14
11....									160	39	20	14
12....									154	36	19	14
13....									142	36	20	14
14....									129	34	19	14
15....									119	34	19	14
16....									109	36	18	14
17....									102	31	16	14
18....									99	30	16	14
19....									92	28	18	14
20....									88	31	17	15
21....									79	35	18	13
22....									74	32	17	13
23....									67	29	17	13
24....								May 25	74	31	18	13
25....								to 31	79	35	21	13
26....								233	74	28	19	14
27....								200	68	25	19	14
28....								160	63	24	18	13
29....								170	62	23	18	13
30....								192	62	23	18	13
31....								185	60	22	18	13
Total								185	...	...	...	...
Mean..								1325	3334	1140	596	426
Max...								159	111	36.8	19.2	14.2
Min...								233	175	56	23	17
Acre-ft.								160	60	22	16	13
								2630	6610	2260	1180	845

Total run-off for period=13,520 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Turkey Creek at Redcliff, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	152	68	19	6.7
2....	157	66	19	6.7
3....	144	62	18	6.7
4....	132	60	17	6.4
5....	118	53	16	6.4
6....	116	49	16	6.4
7....	120	47	15	6.4
8....	128	44	15	6.4
9....	161	42	15	6.1
10....	231	40	13	6.1
11....	223	38	12	6.1
12....	201	36	12	6.1
13....	185	34	11	5.8
14....	181	33	11	5.8
15....	172	32	11	5.8
16....	157	33	11	5.8
17....	146	30	10	5.8
18....	138	28	11	5.5
19....	140	26	12	5.5
20....	146	27	9.8	5.8
21....	142	29	9.4	5.8
22....	May 24	136	27	9.0	5.8
23....	to 31	132	26	8.2	5.8
24....	104	124	28	9.4	5.8
25....	106	116	28	11	5.8
26....	100	112	24	8.2	5.8
27....	88	106	23	7.8	5.8
28....	92	86	22	7.8	6.1
29....	106	79	23	8.2	5.8
30....	136	72	21	8.2	5.8
31....	150	....	20	7.4	....
Total	882	4253	1119	368.4	180.6
Mean..	110	142	36.1	11.9	6.02
Max....	150	231	68	19	6.7
Min....	88	72	20	7.4	5.5
Acre-ft.	1750	8440	2220	731	358

Total run-off for period=13,500 acre-feet.

Discharge of Homestake Creek Near Redcliff, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	470	281	36	7.0
2....	390	273	35	6.5
3....	341	328	33	5.5
4....	237	314	34	5.0
5....	187	265	26	4.7
6....	197	225	25	4.4
7....	285	190	23	4.4
8....	273	160	23	4.4
9....	390	158	23	4.1
10....	522	148	22	4.1
11....	485	145	20	4.1
12....	390	126	18	4.0
13....	328	113	16	4.0
14....	355	103	15	4.0
15....	355	101	14	4.0
16....	410	101	13	3.8
17....	336	89	12	3.8
18....	328	84	11	3.8
19....	405	82	11	3.6
20....	470	91	11	3.6
21....	450	95	11	3.6
22....	425	79	13	3.6
23....	May 25	370	70	14	3.7
24....	to 31	440	84	15	3.7
25....	390	460	93	16	3.7
26....	310	395	74	15	3.7
27....	233	305	59	12	3.7
28....	305	273	50	11	3.7
29....	440	310	46	9.0	3.8
30....	555	332	44	9.0	3.8
31....	572	....	39	8.5	....
Total	2805	10914	4110	554.5	125.8
Mean..	401	364	133	17.9	4.19
Max....	572	522	328	36	7.0
Min....	233	187	39	8.5	3.6
Acre-ft.	5560	21650	8150	1100	250

Total run-off for period=36,710 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Gore Creek Near Minturn, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	720	425	73	24
2....	670	410	68	23
3....	555	406	66	22
4....	485	420	61	22
5....	406	370	57	22
6....	410	326	56	22
7....	535	286	53	21
8....	535	278	50	21
9....	670	262	47	20
10....	850	250	46	20
11....	810	232	44	20
12....	760	202	41	20
13....	725	190	39	20
14....	720	180	39	20
15....	714	175	38	19
16....	720	162	37	19
17....	681	150	35	19
18....	664	133	35	19
19....	725	133	39	18
20....	747	138	38	18
21....	752	129	36	18
22....	708	125	35	18
23....	676	116	34	18
24....	May 26	681	133	35	18
25....	to 31	681	145	46	18
26....	515	626	116	37	18
27....	495	593	105	32	18
28....	560	550	97	31	18
29....	686	540	88	29	18
30....	764	480	81	29	18
31....	758	....	76	24	....
Total	3778	19389	6339	1330	589
Mean.	630	646	204	42.9	19.6
Max..	764	850	425	73	24
Min..	495	406	76	24	18
Acre-ft.	7490	38460	12570	2640	1170

Total run-off for period=62,330 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Roaring Fork River at Aspen, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	24	27	36	29	21	21	29	282	384	250	91	62
2....	24	27	36	30	22	19	32	278	555	244	104	54
3....	24	26	24	28	24	18	39	310	384	231	108	48
4....	23	26	21	24	21	20	43	299	316	190	79	45
5....	24	23	27	26	23	21	47	254	288	177	78	47
6....	23	27	25	29	21	19	50	212	288	174	69	49
7....	23	24	24	27	22	20	55	182	336	153	63	48
8....	23	24	27	25	23	22	52	155	400	153	62	46
9....	22	27	*32	26	24	22	42	136	475	149	58	44
10....	22	21	33	27	19	23	42	132	520	138	68	43
11....	23	22	32	27	20	22	37	155	465	115	73	41
12....	24	24	31	26	21	21	39	153	420	104	75	39
13....	27	23	30	27	20	20	43	164	384	100	60	39
14....	27	21	30	28	*19	20	52	155	340	93	50	39
15....	27	22	30	28	19	20	66	146	348	109	45	38
16....	27	23	30	28	19	18	71	136	352	99	88	36
17....	29	21	30	26	19	19	69	132	384	85	72	35
18....	27	22	31	23	20	19	64	136	412	79	100	36
19....	26	22	30	*21	20	*18	66	124	412	73	108	43
20....	27	22	30	26	20	19	82	130	416	66	90	40
21....	26	22	29	31	21	18	91	149	450	71	71	38
22....	25	26	29	31	22	19	113	144	490	91	68	41
23....	26	31	30	29	23	20	132	177	480	91	59	38
24....	24	23	29	27	22	21	169	228	450	72	63	37
25....	23	22	28	23	20	21	198	293	450	67	90	38
26....	24	42	27	22	20	21	196	310	460	57	66	39
27....	23	41	27	24	20	21	182	313	440	52	56	39
28....	25	22	28	26	22	23	185	416	380	48	50	38
29....	26	28	28	26	....	27	215	475	390	55	51	43
30....	24	22	28	25	....	31	237	500	320	93	71	48
31....	23	....	28	24	....	29	....	432	....	120	80	....
Total	765	753	900	819	587	652	2738	7108	12189	3599	2266	1271
Mean.	24.7	25.1	29.0	26.4	21.0	21.0	91.3	229	406	116	73.1	42.4
Max..	29	42	36	31	24	31	237	500	555	250	108	62
Min..	22	21	21	21	19	18	29	124	288	48	45	35
Acre-ft.	1520	1490	1790	1620	1160	1290	5430	14100	24180	7140	4490	2520

Total run-off for period=66,730 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Roaring Fork River at Aspen, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	44	34	28	21	20	20	20	31	495	288	38	12
2....	42	30	29	21	20	20	20	33	475	278	35	11
3....	39	35	28	22	20	20	21	30	450	288	32	11
4....	37	35	28	22	20	20	22	28	424	247	29	10
5....	37	37	28	20	21	20	22	33	388	228	27	9.4
6....	37	36	29	21	21	20	24	43	356	207	28	8.0
7....	36	36	28	22	20	18	24	59	336	182	27	5.5
8....	35	34	28	21	20	18	25	62	324	162	25	5.3
9....	33	34	28	20	21	20	26	72	320	153	25	4.9
10....	33	36	28	21	20	21	25	88	384	144	27	4.9
11....	35	35	26	22	19	21	25	83	412	134	24	4.9
12....	41	35	25	22	19	21	30	104	408	122	22	4.7
13....	40	35	26	21	20	21	32	160	400	115	19	4.7
14....	43	34	27	19	20	20	29	234	380	104	18	4.5
15....	41	36	25	21	20	20	27	320	368	99	18	4.5
16....	42	33	24	23	19	20	27	392	364	108	18	4.7
17....	42	33	23	22	*20	22	25	360	352	93	16	4.4
18....	41	33	24	21	20	22	26	228	336	85	16	4.4
19....	43	32	26	21	19	20	28	190	324	80	16	4.2
20....	41	31	25	21	20	22	27	224	356	93	17	4.2
21....	36	33	25	*21	21	22	26	260	400	88	24	4.0
22....	41	34	25	21	21	20	27	278	450	76	24	4.0
23....	38	36	24	22	20	21	25	292	384	70	22	4.7
24....	33	34	23	21	20	20	28	388	412	73	21	4.2
25....	37	31	23	20	21	21	28	392	416	76	30	4.7
26....	37	30	23	19	20	21	29	376	412	62	24	5.8
27....	35	26	21	20	20	22	35	309	352	57	22	5.8
28....	41	27	21	20	20	20	38	344	316	50	20	5.5
29....	41	28	22	19	21	20	33	416	320	47	19	5.1
30....	38	27	22	19	....	21	32	424	306	48	19	5.1
31....	37	....	20	20	....	20	....	495	....	43	13	....
Total	1196	990	782	646	583	634	806	6748	11420	3900	715	176.1
Mean.	38.6	33.0	25.2	20.8	20.1	20.5	26.9	218	381	126	23.1	5.87
Max..	44	37	29	23	21	22	38	495	495	288	38	12
Min..	33	26	20	19	19	18	20	28	306	43	13	4.0
Acre-ft.	2370	1960	1550	1280	1160	1260	1600	13380	22650	7740	1420	349

Total run-off for period=56,720 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Roaring Fork River at Glenwood Springs, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	466	504	417	368	300	356	536	3280	4240	4920	1250	1400
2....	466	512	438	374	325	330	552	3110	7830	4220	1430	1230
3....	466	512	431	374	380	292	632	3420	5870	3670	1570	1130
4....	466	504	424	292	296	356	720	3750	4410	3440	1350	1040
5....	466	504	424	310	356	374	794	3560	3970	3180	1260	994
6....	473	480	392	374	310	296	871	2910	3640	3020	1250	948
7....	473	480	362	325	320	356	937	2610	3840	2770	1170	882
8....	466	473	404	300	356	356	926	2240	4520	2700	1130	838
9....	466	473	404	320	362	410	750	2000	5320	2560	1080	783
10....	466	424	424	350	305	404	710	1880	6010	2380	1030	750
11....	459	424	424	335	315	374	632	1880	5510	2250	1110	700
12....	466	424	392	320	350	362	605	1930	5140	2210	1140	670
13....	504	438	374	335	315	356	632	1990	4500	2130	1070	632
14....	520	445	386	356	325	350	740	1850	3910	1940	948	632
15....	520	459	392	350	325	362	904	1750	3750	1900	882	596
16....	528	480	386	350	325	310	1040	1570	3730	1820	1020	587
17....	520	466	386	350	330	325	1050	1460	4220	1650	1080	560
18....	520	466	392	310	330	362	1070	1430	4830	1550	1330	552
19....	504	466	392	250	335	300	1130	1380	5100	1490	1710	578
20....	504	466	380	320	356	330	1350	1330	5230	1450	1680	596
21....	488	466	380	431	350	300	1440	1460	5940	1470	1370	578
22....	488	424	380	424	386	335	1610	1450	6060	1550	1330	587
23....	473	424	398	417	404	356	1750	1580	6200	1520	1270	569
24....	466	459	404	392	380	350	1990	1850	5920	1380	1280	552
25....	466	459	392	350	368	356	2170	2500	6110	1340	1610	536
26....	459	410	386	292	345	345	2180	3110	6250	1230	1450	536
27....	459	417	374	335	335	374	2030	3000	6080	1200	1260	544
28....	459	452	380	386	374	410	2020	4370	5490	1140	1170	536
29....	512	404	386	362	....	473	2290	5250	4960	1110	1110	544
30....	520	445	350	356	....	560	2680	5580	5290	1280	1290	544
31....	512	....	356	356	....	569	....	5120	....	1340	1620	....
Total	15021	13788	12210	10764	9558	11389	36741	80660	153870	65810	392550	21624
Mean.	485	460	394	347	341	367	1225	2600	5129	2123	1266	721
Max.	528	512	438	431	404	569	2680	5580	7830	4920	1710	1400
Min.	459	404	350	250	296	292	536	1230	3640	1110	882	536
Ac.-ft.	29790	27350	24220	21350	18960	22590	72870	159900	305200	130500	77850	42890

Total run-off for period=933,500 acre-feet.

Discharge of Roaring Fork River at Glenwood Springs, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	542	590	437	356	366	332	336	600	5520	5060	1140	457
2....	551	542	470	336	370	348	332	670	5180	5040	1090	450
3....	533	533	424	394	344	348	336	630	4700	5390	1030	437
4....	542	560	424	380	366	340	366	560	3820	4920	970	424
5....	542	570	437	313	366	340	404	560	3130	4550	893	411
6....	533	560	463	370	356	328	444	720	2930	4280	882	404
7....	533	524	457	411	356	310	450	1070	3440	3780	840	399
8....	524	488	457	336	361	310	463	1270	3460	3400	730	399
9....	524	515	450	320	370	344	497	1500	3930	3340	790	404
10....	515	512	437	385	356	348	470	1760	5230	3300	800	404
11....	515	533	394	411	320	348	463	1850	5550	3160	750	399
12....	580	524	380	380	340	352	570	2040	5230	2730	710	399
13....	560	524	411	356	356	370	670	2630	4700	2520	670	394
14....	551	524	437	361	336	380	580	3460	5040	2380	650	394
15....	551	515	404	457	348	361	551	4350	4890	2210	630	390
16....	551	506	394	479	320	340	470	5230	5490	2070	620	394
17....	542	497	375	417	332	356	444	5230	4680	2000	610	390
18....	542	506	385	430	348	366	430	3540	4480	1910	580	385
19....	560	506	437	424	320	340	444	2700	4940	1850	580	385
20....	590	488	430	437	324	348	437	2530	5830	1910	570	385
21....	570	470	417	417	352	352	437	2700	5960	1810	570	370
22....	580	479	404	417	352	332	417	3110	5910	1740	542	366
23....	590	488	404	444	328	336	404	3930	5310	1620	515	361
24....	580	488	399	399	332	340	411	4820	5700	1670	506	366
25....	560	479	370	375	344	328	437	4630	6320	1680	551	366
26....	580	450	385	340	336	336	437	4630	6170	1530	551	366
27....	560	385	366	366	328	332	470	3910	5700	1430	515	361
28....	570	404	328	370	336	316	650	4000	4750	1330	506	361
29....	630	417	332	366	328	313	680	4800	5080	1290	488	366
30....	630	399	394	344	....	336	590	5390	5210	1280	479	356
31....	620	....	370	361	....	340	....	5730	....	1220	463	....
Total	17360	15006	12672	11952	9991	10570	14090	90550	148280	82400	21271	11743
Mean.	560	500	409	386	345	341	470	2921	4943	2658	686	391
Max.	630	590	463	479	370	380	680	5730	6320	5390	1140	457
Min.	515	385	328	313	320	310	332	560	2930	1220	463	356
Ac.-ft.	34430	29760	25130	23710	19820	20970	27950	179600	294100	163400	42190	23290

Total run-off for period=884,400 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Crystal River Near Redstone, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	69	97	76	65	57	72	140	1270	1610	1640	293	264
2....	69	98	79	66	60	68	156	1170	2680	1510	436	219
3....	69	98	79	61	65	61	186	1340	1960	1380	388	196
4....	69	100	76	56	55	74	206	1530	1430	1330	328	176
5....	68	96	76	62	65	74	206	1320	1190	1240	293	164
6....	68	98	72	62	59	60	227	990	1150	1160	280	152
7....	66	98	71	56	61	72	251	820	1300	1100	233	136
8....	66	100	69	56	65	69	236	649	1560	1080	206	126
9....	65	100	72	59	64	79	193	564	2000	963	188	120
10....	64	91	74	62	61	76	181	535	1850	909	193	117
11....	65	87	72	61	62	75	170	520	1710	828	245	112
12....	68	87	65	59	64	72	160	552	1590	828	227	106
13....	79	87	63	60	60	72	174	588	1280	756	193	103
14....	97	90	64	63	63	75	214	515	1110	663	172	109
15....	106	90	66	64	63	76	280	454	1090	656	158	97
16....	106	97	64	63	65	66	306	409	1170	600	257	91
17....	103	93	64	62	65	70	313	376	1450	540	264	94
18....	100	93	64	56	66	74	313	364	1700	500	400	93
19....	97	93	66	39	68	68	380	352	1960	472	490	96
20....	96	93	66	60	70	66	463	380	2060	458	432	89
21....	94	93	66	75	71	65	472	463	2180	450	306	84
22....	93	87	66	82	77	76	525	445	2230	440	273	80
23....	94	87	70	76	77	76	564	546	2280	409	236	77
24....	96	87	70	64	75	79	663	691	2140	404	242	75
25....	97	86	69	61	74	83	705	1110	2220	376	384	74
26....	96	77	69	57	71	82	663	1330	2160	344	286	74
27....	94	84	65	75	71	89	635	1290	2250	324	239	79
28....	93	83	65	68	72	100	656	1810	1830	306	211	86
29....	103	77	68	68	....	128	796	1920	1710	303	208	98
30....	98	83	63	70	....	150	1060	1830	1800	364	283	98
31....	94	....	62	69	....	145	....	1720	....	317	364	....
Total	2642	2730	2131	1957	1846	2492	11494	27853	52650	22650	8708	3485
Mean.	85.2	91.0	68.7	63.1	65.9	80.4	383	898	1755	731	281	116
Max..	106	100	79	82	77	150	1060	1920	2680	1640	490	264
Min...	64	77	62	39	55	60	140	352	1090	303	158	74
Acre-ft.	5240	5410	4230	3880	3660	4940	22800	55250	104400	44930	17270	6910

Total run-off for period=278,900 acre-feet.

Discharge of Crystal River Near Redstone, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	98	117	82	74	66	67	67	156	1630	2200	375	100
2....	94	100	89	72	68	64	67	170	1650	2010	355	96
3....	89	97	79	76	64	63	74	155	1500	2210	339	94
4....	84	103	80	76	66	61	86	146	1210	2200	310	94
5....	83	101	86	74	67	63	102	160	970	2040	272	88
6....	82	100	84	74	62	58	105	232	930	1960	268	85
7....	76	93	84	76	64	55	114	324	1150	1720	259	82
8....	74	83	86	72	67	51	122	367	1120	1610	250	80
9....	77	89	84	70	68	68	129	456	1330	1650	256	80
10....	76	89	83	72	65	65	122	543	1730	1640	241	77
11....	83	89	70	74	57	65	137	592	1870	1500	223	77
12....	112	87	65	72	63	66	149	674	1770	1260	205	76
13....	101	87	75	72	59	70	164	920	1630	1130	190	75
14....	104	84	79	74	60	70	140	1200	1830	1040	185	71
15....	100	83	77	74	59	68	133	1510	1740	980	188	69
16....	100	83	74	76	62	64	129	1630	1900	774	188	68
17....	98	82	70	77	62	68	116	1460	1710	790	172	68
18....	97	83	74	74	61	68	110	1030	1740	743	166	67
19....	112	82	84	72	56	65	111	758	2000	708	160	66
20....	104	82	83	74	58	68	111	694	2270	766	153	66
21....	104	80	80	*75	61	67	105	790	2240	708	142	65
22....	104	80	79	74	60	64	103	1000	2220	650	133	64
23....	104	84	77	74	59	64	100	1360	2070	598	126	64
24....	96	84	76	72	63	66	108	1530	2270	614	128	64
25....	101	82	70	70	60	64	113	1510	2420	576	144	64
26....	101	75	79	64	60	65	116	1490	2430	526	129	64
27....	97	69	70	64	60	64	133	1430	1990	480	119	64
28....	103	70	57	66	61	60	166	1430	1820	442	113	64
29....	114	70	74	64	60	60	156	1600	2130	442	108	64
30....	115	75	79	62	....	63	147	1720	2180	433	105	62
31....	120	....	72	64	....	66	....	1680	....	415	100	....
Total	3003	2583	2401	2224	1798	1990	3535	28717	53450	34815	6102	2218
Mean.	96.9	86.1	77.4	71.7	62.0	64.2	118	926	1782	1123	197	74.9
Max..	120	117	89	77	68	70	166	1720	2430	2210	375	100
Min...	74	69	57	62	56	51	67	146	930	415	100	62
Acre-ft.	5960	5120	4760	4410	3570	3950	7010	56960	106000	69050	12100	4400

Total run-off for period=279,900 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Fourmile Creek Near Carbondale, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.2	0.4	....	....	....	....	....	28	13	2.6	0.2	1.6
2....	0.2	0.4	....	....	....	....	....	27	19	2.2	0.4	1.2
3....	0.2	0.4	....	....	....	....	....	24	16	2.2	0.4	1.0
4....	0.2	0.4	....	....	....	....	....	43	19	1.6	0.3	0.9
5....	0.2	0.4	....	....	....	....	....	36	20	1.6	0.3	0.6
6....	0.2	0.4	....	....	....	....	....	33	19	1.3	0.5	0.8
7....	0.2	0.4	....	....	....	....	....	26	14	1.2	0.5	0.8
8....	0.2	0.4	....	....	....	....	....	21	14	1.2	0.4	0.5
9....	0.2	0.4	....	....	....	....	....	19	13	1.1	0.2	0.4
10....	0.2	0.3	....	....	....	....	....	22	14	1.0	0.2	0.4
11....	0.3	0.3	....	....	....	....	....	23	14	1.0	0.3	0.4
12....	0.3	0.3	....	....	....	....	....	18	12	0.9	0.9	0.3
13....	0.3	0.3	....	....	....	....	....	17	10	0.5	0.3	0.3
14....	0.3	0.3	....	....	....	....	....	14	9.5	0.4	0.3	0.3
15....	0.3	0.3	....	....	....	....	....	14	7.4	0.5	0.1	0.4
16....	0.3	0.4	....	....	....	....	....	12	6.3	0.4	0.3	0.2
17....	0.3	0.4	....	....	....	....	....	10	6.0	0.3	0.8	0.2
18....	0.3	0.4	....	....	....	....	....	9.0	6.0	0.3	0.9	0.2
19....	0.3	0.4	....	....	....	....	....	7.4	6.0	0.2	1.3	0.3
20....	0.3	0.4	....	....	....	....	....	7.2	6.0	0.3	0.4	0.2
21....	0.3	0.4	....	....	....	....	....	8.0	6.0	0.4	0.4	0.2
22....	0.3	0.4	....	....	....	....	Apr. 24	6.9	6.0	1.3	0.4	0.2
23....	0.3	0.4	....	....	....	....	to 30	7.2	6.0	0.5	1.9	0.2
24....	0.3	0.4	....	....	....	....	34	7.4	6.0	0.3	2.4	0.2
25....	0.3	0.4	....	....	....	....	34	8.5	5.0	0.3	2.9	0.2
26....	0.3	0.4	....	....	....	....	31	9.5	4.0	0.3	1.2	0.2
27....	0.3	0.4	....	....	....	....	27	10	3.4	0.2	0.8	0.3
28....	0.3	0.4	....	....	....	....	28	12	2.3	0.1	0.7	0.2
29....	0.3	0.4	....	....	....	....	35	16	2.8	0.1	0.6	0.2
30....	0.4	0.4	....	....	....	....	34	16	3.8	0.2	3.2	0.2
31....	0.4	....	....	....	....	....	....	14	....	0.2	3.4	....
Total	8.5	11.4	....	....	....	....	223	526.1	290.0	24.7	26.9	13.1
Mean.	0.27	0.38	....	....	....	....	31.9	17.0	9.67	0.80	0.87	0.44
Max..	0.4	0.4	....	....	....	....	35	43	20	2.6	3.4	1.6
Min..	0.2	0.3	....	....	....	....	27	6.9	2.8	0.1	0.1	0.2
Acre-ft.	17	23	....	....	....	....	442	1040	575	49	53	26

Total run-off for period=2,225 acre-feet.

Discharge of Fourmile Creek Near Carbondale, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.3	0.5	....	....	....	....	0.7	1.8	38	4.2	0.3	0
2....	0.3	0.4	....	....	....	....	0.7	2.2	36	3.4	0.2	0
3....	0.2	0.5	....	....	....	....	0.7	3.0	35	3.2	0.1	0
4....	0.2	0.5	....	....	....	....	0.8	4.4	35	2.8	0.1	0
5....	0.2	0.5	....	....	....	....	0.8	5.0	32	2.5	0.1	0
6....	0.2	0.4	....	....	....	....	0.8	9.0	31	2.3	0.1	0
7....	0.2	0.4	....	....	....	....	0.8	18	35	1.9	0.1	0
8....	0.2	0.3	....	....	....	....	0.8	35	36	1.8	0.1	0
9....	0.2	0.4	....	....	....	....	0.8	45	33	1.7	0.1	0
10....	0.3	0.5	....	....	....	....	0.8	54	35	1.9	0.1	0
11....	0.4	0.6	....	....	....	....	0.8	53	31	1.8	0	0
12....	0.8	0.6	....	....	....	....	0.9	68	27	1.7	0	0
13....	0.8	0.6	....	....	....	....	1.0	82	25	1.5	0	0
14....	0.6	0.6	....	....	....	....	0.9	88	31	1.5	0.1	0
15....	0.6	0.6	....	....	....	....	0.8	99	22	2.5	0.1	0
16....	0.5	0.6	....	....	....	....	0.8	106	20	1.5	0.1	0
17....	0.5	0.6	....	....	....	....	0.9	70	18	1.3	0	0
18....	0.2	0.5	....	....	....	....	0.9	48	17	1.2	0	0
19....	0.5	0.5	....	....	....	....	1.0	53	16	0.9	0	0
20....	0.9	0.5	....	....	....	....	0.9	58	14	0.9	0	0
21....	0.6	0.5	....	....	....	....	0.9	63	13	1.3	0	0
22....	0.7	0.5	....	....	....	....	0.9	80	10	0.9	0	0
23....	0.7	0.5	....	....	....	....	1.0	87	7.7	1.0	0	0
24....	0.6	0.5	....	....	....	....	1.1	76	7.0	2.2	0	0
25....	0.6	0.5	....	....	....	....	1.1	70	6.3	1.5	0.1	0
26....	0.6	0.4	....	....	....	....	1.1	58	6.6	0.8	0.1	0
27....	0.5	0.3	....	....	....	....	1.2	51	5.3	0.6	0.2	0
28....	0.5	0.3	....	....	....	....	1.3	51	4.6	0.5	0.1	0
29....	0.6	0.4	....	....	....	....	1.4	48	4.4	0.5	0.1	0
30....	0.6	0.4	....	....	....	....	1.6	46	4.0	0.7	0	0
31....	0.5	....	....	....	....	....	....	44	....	0.4	0	0
Total	14.6	14.4	....	....	....	....	28.2	1576.0	635.9	50.9	2.2	0
Mean.	.47	.48	....	....	....	....	.94	50.3	21.2	1.64	.07	0
Max..	.9	.6	....	....	....	....	1.6	106	38	4.2	0.3	0
Min..	0.2	0.3	....	....	....	....	0.7	1.8	4.0	0.4	0	0
Acre-ft.	29	29	....	....	....	....	56	3130	1260	101	4.4	0

Total run-off for period=4,610 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of West Divide Creek Below Willow Creek Near Raven, Colo., for Year Ending
Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.4	0.7	....	0.7	....	....	26	103	82	33	1.3	21
2....	0.4	1.1	....	0.7	....	....	26	103	118	28	5.2	14
3....	0.4	1.5	....	0.7	....	....	30	100	92	24	5.9	11
4....	0.6	1.5	....	0.7	....	....	30	128	90	21	2.0	9.5
5....	0.6	0.4	0.5	0.7	....	....	28	111	90	18	3.0	8.3
6....	0.7	0.9	....	0.7	....	....	26	94	88	15	10	7.1
7....	0.7	0.9	....	0.7	....	....	29	86	82	14	23	6.7
8....	0.7	0.9	....	0.7	....	0.9	20	78	86	12	15	6.3
9....	0.7	0.7	0.6	0.7	....	....	19	73	86	11	6.7	5.5
10....	0.7	0.2	0.6	0.7	....	....	13	74	86	9.1	4.4	5.2
11....	0.7	0.2	0.7	0.7	....	....	13	76	86	8.3	8.7	4.8
12....	0.9	0.2	0.6	0.7	....	....	13	76	82	7.5	13	4.4
13....	1.6	0.4	0.6	0.7	....	....	17	76	76	6.7	6.3	4.8
14....	1.8	0.4	0.4	0.9	....	....	28	70	71	5.9	3.8	5.5
15....	1.1	....	0.4	0.9	0.8	....	35	70	65	6.3	2.4	4.1
16....	0.6	....	0.4	0.9	....	....	37	62	62	5.9	5.5	3.4
17....	0.4	....	0.4	0.9	....	1.1	32	56	60	4.8	7.9	3.0
18....	0.2	....	0.6	....	....	1.1	33	55	60	4.1	20	4.1
19....	0.2	....	0.6	....	....	1.1	43	52	60	3.8	43	4.8
20....	0.2	....	0.6	....	....	1.1	55	52	59	4.4	15	3.8
21....	0.2	....	0.6	....	....	1.1	62	57	59	5.5	9.1	3.4
22....	0.2	0.5	0.6	....	....	1.1	66	55	56	13	10	2.7
23....	0.2	....	0.6	....	....	1.3	73	55	54	7.1	22	2.4
24....	0.4	....	0.7	0.7	....	1.6	71	60	54	4.4	26	2.0
25....	0.2	....	0.9	....	....	2.7	80	68	52	3.0	33	2.0
26....	0.2	....	0.7	....	....	2.4	80	74	48	2.4	19	2.4
27....	0.2	....	0.7	....	....	4.0	74	78	45	2.4	11	3.4
28....	0.4	....	0.7	....	....	10	80	92	40	1.5	8.3	4.1
29....	0.7	....	0.7	....	....	14	98	98	46	0.9	10	3.4
30....	0.6	....	0.7	....	....	19	111	98	43	2.0	48	4.1
31....	0.4	....	0.7	....	....	19	....	88	....	1.3	37	....
Total	17.3	18.0	18.1	22.5	22.4	95.0	1348	2418	2078	286.3	435.5	167.2
Mean.	.56	.60	.58	.73	.80	3.06	44.9	78.0	69.3	9.24	14.0	5.57
Max..	1.8	1.5	....	....	....	19	111	128	118	33	48	21
Min..	0.2	....	....	....	....	....	13	52	40	0.9	1.3	2.0
Acre-ft.	34	36	36	45	44	188	2670	4800	4120	568	864	332

Total run-off for period=13,740 acre-feet.

**Discharge of West Divide Creek Below Willow Creek Near Raven, Colo., for Year Ending
Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	3.4	7.1	2.0	1.7	2.0	2.2	2.5	25	254	112	2.8	0.2
2....	3.0	5.2	2.0	1.7	2.0	2.2	3.0	30	226	98	2.8	6.2
3....	2.7	4.8	2.0	1.7	2.0	2.2	4.4	32	211	104	2.3	0.2
4....	2.4	4.8	2.0	1.7	2.0	2.2	6.0	32	182	82	1.7	0.2
5....	2.4	4.4	2.0	1.7	2.0	2.2	7.4	33	166	74	1.6	0.2
6....	2.0	4.4	2.0	1.7	2.0	2.2	8.6	56	161	64	1.6	0.2
7....	2.4	4.8	2.0	1.7	2.0	2.2	8.8	86	166	58	1.7	0.1
8....	2.0	4.1	2.0	1.7	2.0	2.2	9.2	116	164	51	1.1	0.1
9....	2.0	3.8	2.0	1.7	2.0	2.2	10	155	182	45	1.1	0.2
10....	2.0	3.4	2.0	1.7	2.0	2.2	9.4	172	188	44	1.1	0.1
11....	3.0	3.8	2.0	1.7	2.0	2.2	10	201	175	39	0.9	0.1
12....	4.4	3.8	2.0	1.7	2.0	2.2	12	276	152	33	0.7	0.1
13....	4.1	3.8	2.0	1.7	2.0	2.2	13	360	139	29	0.6	0.1
14....	4.8	3.8	2.0	1.7	2.0	2.2	12	440	134	28	0.5	0.1
15....	4.1	3.4	2.0	1.7	2.0	2.2	11	505	126	24	0.6	0.1
16....	3.8	3.4	2.0	1.7	2.0	2.2	11	515	126	24	0.5	0.1
17....	3.4	3.0	2.0	1.7	2.0	2.2	11	396	114	19	0.5	0.1
18....	3.0	2.7	2.0	1.7	2.0	2.2	11	272	100	17	0.4	0.1
19....	4.4	2.7	2.0	1.7	2.0	2.2	11	251	94	16	0.6	0.1
20....	5.2	2.4	2.0	1.7	2.0	2.2	11	272	91	16	0.7	0.1
21....	4.1	2.3	2.0	1.7	2.0	2.2	11	287	85	15	0.6	0.1
22....	4.4	2.4	2.0	1.7	2.0	2.2	10	376	82	13	0.5	0.1
23....	5.2	2.5	2.0	1.7	2.0	2.2	9.6	414	91	12	0.8	0.1
24....	3.8	2.5	2.0	1.7	2.0	2.2	10	401	96	14	0.6	0.1
25....	4.1	2.3	2.0	1.7	2.0	2.2	11	384	89	15	1.4	0.1
26....	4.1	1.9	2.0	1.7	2.0	2.2	15	344	89	11	0.8	0.1
27....	3.8	1.8	2.0	1.7	2.0	2.2	20	314	77	8.3	0.5	0.2
28....	4.1	2.0	2.0	1.7	2.0	2.2	22	314	75	5.0	0.3	0.2
29....	5.9	2.0	2.0	1.7	2.0	2.2	20	314	104	4.5	0.3	0.2
30....	6.7	2.0	2.0	1.7	....	2.2	20	318	116	4.8	0.3	0.2
31....	5.5	....	2.0	1.7	....	2.2	....	276	....	3.5	0.2	....
Total	116.2	101.3	62.0	52.7	58.0	68.2	330.9	7967	4055	1083.1	30.1	4.1
Mean.	3.75	3.38	2.0	1.7	2.0	2.2	11.0	257	135	34.9	0.97	0.14
Max..	6.7	7.1	....	....	....	....	22	515	254	112	2.8	0.2
Min..	2.0	1.8	....	....	....	....	2.5	25	75	3.5	0.2	0.1
Acre-ft.	230	201	123	105	115	135	656	15800	8040	2150	60	8.1

Total run-off for period=27,620 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Rifle Creek Near Rifle, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	29	8.0	11	8.4	32	5.6	38	38	36	33	35	32
2....	28	8.1	11	8.2	30	5.5	38	35	43	33	38	30
3....	28	7.9	12	8.2	32	6.0	37	34	34	33	42	30
4....	28	7.9	12	8.2	34	8.8	37	35	33	33	40	30
5....	27	8.1	11	8.2	30	8.2	38	35	32	32	42	30
6....	27	7.7	10	8.2	30	8.2	38	34	32	35	41	29
7....	27	9.5	9.6	8.2	34	7.7	33	38	33	33	40	29
8....	26	9.5	*9.4	8.2	30	7.5	22	42	33	33	40	29
9....	24	8.1	9.4	8.2	29	35	13	37	31	33	35	29
10....	23	7.1	9.5	8.2	27	123	6.4	35	32	33	31	30
11....	23	6.8	9.0	8.4	28	42	4.5	35	33	33	36	29
12....	24	6.6	9.0	8.4	32	44	4.0	35	35	33	38	29
13....	22	6.4	9.0	8.2	32	42	4.0	35	35	33	26	32
14....	16	6.4	9.0	8.0	29	46	3.8	35	35	33	24	33
15....	13	6.4	9.0	8.0	30	47	3.8	37	34	33	24	33
16....	12	6.5	8.8	8.0	29	43	3.7	36	35	34	29	33
17....	10	6.5	8.6	12	20	42	3.2	35	35	32	35	32
18....	9.0	6.8	8.6	*18	21	42	3.4	36	34	32	42	32
19....	7.9	6.9	8.5	19	21	42	8.2	38	33	33	44	32
20....	8.0	6.8	6.7	20	21	42	27	37	35	33	35	32
21....	8.0	6.8	6.0	22	17	41	28	36	33	35	35	31
22....	7.8	6.6	6.9	24	19	40	27	36	35	39	35	32
23....	7.8	6.5	9.0	24	17	41	27	38	34	40	40	33
24....	7.8	6.4	9.0	23	7.2	42	27	37	34	38	32	33
25....	7.8	6.2	9.2	23	7.2	42	28	35	32	39	30	32
26....	7.9	6.4	9.0	23	6.4	42	29	35	32	38	29	35
27....	7.8	6.4	9.8	23	6.4	42	30	35	33	37	29	35
28....	8.0	6.6	11	20	6.8	42	30	36	32	39	29	37
29....	8.2	8.0	8.3	18	....	40	35	37	33	39	27	35
30....	8.2	11	13	34	....	38	38	36	35	36	30	33
31....	8.0	....	10	34	....	38	....	35	....	36	34	....
Total	499.2	218.9	292.3	468.2	658.0	1095.6	665.0	1118	1016	1076	1067	951
Mean	16.1	7.30	9.43	15.1	23.5	35.3	22.2	36.1	33.9	34.7	34.4	31.7
Max..	29	11	13	34	34	123	38	42	43	40	44	37
Min..	7.8	6.2	6.0	8.0	6.4	5.6	3.2	34	31	32	24	29
Acre-ft.	990	434	580	929	1300	2170	1320	2220	2020	2130	2120	1890

Total run-off for period=18,100 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Rifle Creek Near Rifle, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	33	6.8	6.5	6.5	5.5	5.6	40	18	72	47	36	32
2....	33	7.0	6.5	6.5	5.5	4.7	40	24	70	48	37	32
3....	33	6.0	6.5	6.5	5.5	4.9	39	24	66	48	36	30
4....	33	5.8	6.5	6.5	5.5	9.8	39	23	64	47	36	29
5....	24	6.0	6.5	6.5	5.5	27	39	22	60	45	39	28
6....	20	5.8	6.5	6.5	5.5	13	39	23	56	40	38	27
7....	20	7.0	6.5	6.5	5.5	17	38	25	54	42	38	27
8....	20	7.0	6.5	6.5	5.5	16	38	28	53	43	39	26
9....	20	7.7	6.5	6.5	5.5	18	39	31	51	44	40	30
10....	20	11	6.5	6.5	5.5	17	37	35	48	43	39	30
11....	20	8.8	6.5	6.5	5.5	20	36	34	45	42	40	30
12....	20	12	6.5	6.5	5.5	30	38	38	40	42	39	29
13....	15	10	6.5	6.5	5.5	42	39	47	36	42	36	30
14....	14	10	6.5	6.5	5.5	39	36	48	32	44	37	32
15....	15	9.8	6.5	6.5	5.5	37	37	49	30	48	40	32
16....	15	8.5	6.5	6.5	*5.5	37	37	50	43	48	40	32
17....	13	7.5	6.5	6.5	5.5	40	38	44	49	48	40	32
18....	9.3	7.0	6.5	6.5	5.5	41	35	40	46	47	39	33
19....	9.5	6.8	6.5	6.5	5.5	41	33	32	36	46	39	33
20....	4.2	6.4	6.5	*6.5	5.5	40	34	61	35	46	40	33
21....	4.5	6.6	6.5	6.5	5.5	40	31	44	36	46	39	32
22....	5.2	6.8	6.5	6.5	5.5	39	27	46	43	48	37	31
23....	5.2	7.0	6.5	6.5	5.5	40	20	71	43	49	34	32
24....	4.4	6.4	6.5	6.5	5.5	39	14	97	44	49	36	33
25....	4.4	6.2	6.5	6.5	5.5	40	17	92	43	50	34	33
26....	4.5	6.4	6.5	6.5	5.5	40	20	80	44	45	33	33
27....	5.2	5.0	6.5	6.5	5.5	41	24	68	40	44	32	33
28....	5.4	4.3	6.5	6.5	5.5	39	20	64	36	44	32	33
29....	11	5.0	6.5	6.5	5.5	40	15	68	35	40	33	32
30....	7.7	5.5	6.5	6.5	....	40	14	70	40	40	33	33
31....	7.2	....	6.5	6.5	....	40	....	74	....	37	33	....
Total	455.7	216.1	201.5	201.5	159.5	938.0	953	1470	1390	1392	1144	933
Mean	14.7	7.20	6.5	6.5	5.5	30.3	31.8	47.4	46.3	44.9	36.9	31.1
Max..	33	12	....	....	....	42	40	97	72	50	40	33
Min..	4.2	4.3	....	....	....	4.7	14	18	30	37	32	26
Acre-ft.	904	429	400	400	316	1860	1890	2920	2760	2760	2270	1850

Total run-off for period=18,760 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of East Fork of Rifle Creek Near Rifle, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	44	42	40	38	36	34	35	42	36	31	36	32
2....	44	42	38	37	36	31	35	41	41	30	37	32
3....	44	42	38	37	35	30	35	38	38	30	40	32
4....	44	42	38	35	35	35	37	40	35	31	40	32
5....	44	42	37	36	35	36	37	40	35	34	38	31
6....	44	41	35	37	35	35	38	41	32	34	38	31
7....	44	41	35	36	35	34	40	40	32	34	38	32
8....	44	41	36	35	36	34	41	41	32	31	38	32
9....	43	41	37	37	36	35	40	40	32	34	37	32
10....	43	40	37	38	35	34	40	38	34	34	37	32
11....	43	40	36	38	35	34	40	38	35	34	37	32
12....	43	40	36	38	35	34	40	37	35	34	40	32
13....	43	41	36	38	37	34	40	37	34	34	38	32
14....	44	41	38	38	37	31	40	37	34	34	38	32
15....	44	41	38	38	37	36	40	37	32	35	38	32
16....	43	40	38	38	37	34	40	37	31	35	38	32
17....	43	40	38	40	38	34	40	38	31	35	40	34
18....	43	40	38	37	37	35	40	40	32	35	40	32
19....	44	40	38	35	36	31	40	38	34	35	40	31
20....	44	40	38	37	37	32	40	38	32	35	36	31
21....	44	40	40	38	36	31	40	37	32	36	36	31
22....	44	38	38	38	37	34	38	37	32	37	36	31
23....	44	38	37	38	37	35	38	37	31	38	37	31
24....	44	40	36	38	36	34	38	36	31	37	36	31
25....	44	38	36	37	35	34	37	37	31	37	36	34
26....	43	36	36	36	35	35	37	36	32	38	34	34
27....	43	38	34	36	35	35	36	35	32	38	32	34
28....	42	38	32	36	35	35	37	35	32	38	32	34
29....	42	38	34	36	....	35	41	36	31	37	32	34
30....	42	40	34	36	....	36	43	37	31	36	35	34
31....	42	....	36	35	....	36	....	36	....	36	35	....
Total	1346	1201	1138	1147	1006	1053	1163	1177	992	1077	1145	966
Mean.	43.4	40.0	36.7	37.0	35.9	34.0	38.8	38.0	33.1	34.7	36.9	32.2
Max..	44	42	40	40	38	36	43	42	41	38	40	34
Min..	42	36	32	35	35	30	35	38	31	30	32	31
Acre-ft.	2670	2380	2260	2280	2000	2090	2310	2330	1970	2140	2270	1920

Total run-off for period=26,620 acre-feet.

Discharge of Plateau Creek at Upper Station Near Collbran, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	2.6	....	....	....	....	....	....	83	58	9.9	3.8	9.3
2....	2.5	....	....	....	....	....	....	79	164	8.3	7.5	6.7
3....	2.5	....	....	....	....	....	....	82	89	7.4	7.5	5.0
4....	2.5	....	....	....	....	....	....	105	70	6.2	2.8	3.9
5....	2.4	....	1138	....	....	....	....	76	73	5.3	1.9	3.3
6....	2.2	....	....	....	....	....	....	57	69	3.8	7.2	2.8
7....	2.2	....	....	....	....	....	....	54	63	3.3	1.5	2.6
8....	2.3	....	....	....	....	....	....	47	69	3.0	9.3	2.1
9....	2.4	....	....	....	....	....	....	45	68	3.9	7.5	1.4
10....	2.4	....	....	....	....	....	April 11	42	66	3.5	5.0	1.6
11....	2.5	....	....	....	....	....	to 30	47	62	3.3	11	1.6
12....	2.6	....	....	....	....	....	17	48	57	3.2	43	1.5
13....	3.9	....	....	....	....	....	18	48	54	2.6	14	1.4
14....	5.4	....	....	....	....	....	23	39	47	2.2	8.8	2.1
15....	4.6	....	....	....	....	....	24	35	42	2.8	5.8	1.9
16....	4.5	....	....	....	....	....	25	30	35	3.0	5.1	1.5
17....	4.5	....	....	....	....	....	23	26	32	2.6	7.7	1.9
18....	4.3	....	....	....	....	....	26	27	31	1.9	21	2.3
19....	4.0	....	....	....	....	....	28	25	27	1.6	36	1.9
20....	Oct. 1	....	....	....	....	....	33	31	27	2.1	14	1.9
21....	to 19	....	....	....	....	....	37	38	28	2.2	9.7	1.6
22....	....	....	....	....	....	....	39	29	23	3.8	9.7	1.5
23....	....	....	....	....	....	....	43	38	20	3.3	8.6	1.4
24....	....	....	....	....	....	....	46	53	17	2.6	9.2	1.2
25....	....	....	....	....	....	....	45	61	18	4.8	9.2	1.2
26....	....	....	....	....	....	....	46	59	14	2.8	6.7	1.2
27....	....	....	....	....	....	....	44	50	13	2.6	5.0	1.8
28....	....	....	....	....	....	....	48	65	12	2.2	4.1	3.3
29....	....	....	....	....	....	....	57	78	10	1.8	3.6	2.8
30....	....	....	....	....	....	....	66	68	12	3.5	20	2.6
31....	....	....	....	....	....	....	....	63	....	4.6	21	....
Total	60.3	....	....	....	....	....	688	1628	1370	1141	340.7	75.3
Mean.	3.17	....	....	....	....	....	36.2	52.5	45.7	3.68	11.0	2.51
Max..	....	....	....	....	....	....	66	105	164	9.9	43	9.3
Min..	....	....	....	....	....	....	....	25	10	1.6	1.9	1.2
Acre-ft.	120	....	....	....	....	....	1360	3230	2720	226	676	149

Total run-off for period=8.481 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Plateau Creek Near Collbran, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	9.5	19	10	9.2	10	14	28	589	368	62	49	80
2....	9.5	19	9.8	9.6	11	14	31	596	792	47	91	51
3....	10	20	9.8	9.6	11	13	40	610	470	41	58	38
4....	10	19	9.6	7.6	11	15	54	645	374	33	35	32
5....	9.2	12	9.6	8.2	11	16	65	434	356	30	32	28
6....	9.5	19	9.2	9.4	11	14	76	305	340	24	114	25
7....	9.5	16	9.0	9.0	11	17	80	251	305	21	120	24
8....	9.2	16	9.4	8.2	12	24	61	207	305	19	83	22
9....	9.2	16	10	8.6	12	32	51	187	305	18	70	21
10....	9.5	12	10	9.2	10	34	44	190	284	15	16	20
11....	9.5	13	10	8.6	10	28	36	220	272	18	191	20
12....	10	15	10	8.2	11	25	30	236	248	23	798	16
13....	14	16	10	8.6	11	24	33	260	248	24	124	12
14....	16	16	9.8	9.0	11	23	46	214	222	22	44	14
15....	15	17	10	9.2	11	26	64	187	202	25	27	12
16....	15	14	10	9.4	11	24	78	166	168	25	26	10
17....	16	18	9.8	9.2	11	23	80	132	152	21	54	10
18....	14	16	9.6	8.2	12	26	103	154	154	21	175	10
19....	14	14	9.6	7.0	*12	*27	122	154	149	24	288	10
20....	13	18	9.6	9.0	12	26	152	197	152	23	107	12
21....	12	11	9.4	*10	13	25	175	242	141	21	59	14
22....	13	6.6	9.6	11	14	25	197	197	122	22	67	18
23....	14	7.2	9.8	11	15	25	225	280	110	29	52	18
24....	12	8.4	10	11	15	25	245	392	107	24	59	19
25....	12	9.4	10	10	14	25	242	458	109	29	72	19
26....	11	9.0	9.6	9.0	14	24	251	440	89	20	47	17
27....	11	9.0	9.6	10	14	21	260	362	80	21	35	32
28....	13	10	9.6	11	15	20	280	422	75	21	29	29
29....	13	9.8	9.6	11	....	25	356	519	68	22	28	23
30....	17	12	9.2	11	....	32	484	484	73	48	217	20
31....	20	....	9.0	11	....	32	....	404	....	88	187	....
Total	379.6	417.4	300.2	291.0	336	724	3989	10134	6840	881	3354	676
Mean	12.2	13.9	9.68	9.39	12.0	23.4	133	327	228	28.4	108	22.5
Max..	20	20	10	11	15	34	484	645	792	88	798	80
Min..	9.2	6.6	9.0	7.0	10	13	28	132	68	15	16	10
Acre-ft.	753	828	595	577	666	1440	7910	20100	13570	1750	6650	1340

Total run-off for period==56,180 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Plateau Creek Near Collbran, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	17	35	14	12	13	12	16	38	1080	320	24	14
2....	14	28	15	12	13	12	15	40	950	276	27	13
3....	11	33	13	12	13	12	18	32	694	345	25	13
4....	10	36	14	11	13	12	23	30	518	365	22	12
5....	8.4	38	15	10	13	12	28	38	460	260	22	11
6....	8.8	29	16	11	13	12	34	83	532	222	24	10
7....	8.4	30	17	11	13	12	38	138	624	186	29	10
8....	8.4	27	17	10	13	13	38	185	624	160	27	10
9....	7.8	29	16	10	13	12	36	230	926	148	27	9.6
10....	8.1	29	15	10	13	13	34	264	1020	140	25	9.6
11....	9.5	28	12	11	13	14	40	276	1050	128	23	9.6
12....	18	27	13	11	*13	14	51	335	1000	119	21	9.6
13....	14	28	17	11	13	14	56	446	938	103	21	9.6
14....	19	25	15	11	13	13	44	624	926	81	21	9.2
15....	20	25	14	11	13	14	37	760	878	79	24	9.2
16....	21	25	15	12	13	16	31	914	750	77	29	9.6
17....	20	25	15	12	13	14	29	790	640	65	28	9.2
18....	20	21	14	12	13	15	26	472	624	61	28	9.2
19....	28	20	17	13	13	14	25	400	658	62	28	9.6
20....	23	20	16	*13	13	16	26	448	640	79	29	9.2
21....	25	19	14	13	13	16	24	525	600	57	28	16
22....	27	20	13	13	13	16	24	721	525	47	26	20
23....	25	20	13	13	13	15	23	902	460	44	24	19
24....	23	19	13	14	13	14	24	938	484	55	26	13
25....	24	18	12	13	13	14	25	890	466	65	30	10
26....	27	14	12	13	12	15	24	866	584	47	24	11
27....	27	12	12	13	12	15	28	730	410	35	20	11
28....	33	14	12	13	12	17	34	820	320	29	17	10
29....	40	14	12	13	12	16	29	976	315	25	16	11
30....	37	14	12	13	....	15	28	1030	315	27	15	11
31....	33	....	12	13	....	15	....	1070	....	23	14	....
Total	615.4	722	437	370	373	434	908	16011	20011	3730	744	338.2
Mean	19.9	24.1	14.1	11.9	12.9	14.0	30.3	516	667	120	24.0	11.3
Max..	40	38	17	14	13	17	56	1070	1080	365	30	20
Min..	7.8	12	12	10	12	12	15	30	315	23	14	9.2
Acre-ft.	1220	1480	867	734	740	861	1800	31760	39690	7400	1480	671

Total run-off for period==88,650 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Plateau Creek Near Cameo, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	81	124	106	97	73	88	148	878	448	81	58	212
2....	83	128	124	99	84	73	165	794	1210	70	53	146
3....	86	131	120	91	86	64	206	890	806	66	68	114
4....	84	128	114	76	70	97	244	944	565	63	44	95
5....	83	124	112	77	90	102	253	848	535	59	41	86
6....	81	122	93	84	90	70	268	580	515	54	76	75
7....	80	124	93	78	95	93	290	535	456	52	120	70
8....	81	122	106	70	102	91	253	470	452	50	93	66
9....	83	122	108	75	90	191	191	402	426	47	126	64
10....	80	114	112	80	76	153	178	390	394	43	76	63
11....	83	106	110	75	102	120	153	431	382	40	63	59
12....	86	106	100	72	91	108	135	418	350	38	394	58
13....	104	108	100	76	81	108	142	452	339	37	170	58
14....	114	114	100	80	81	114	180	375	312	35	99	57
15....	112	124	100	83	81	108	222	326	306	36	69	56
16....	114	133	99	85	81	78	253	283	242	35	60	54
17....	112	126	99	85	*84	84	233	247	217	35	63	54
18....	114	126	99	60	81	102	247	256	201	34	148	58
19....	116	128	99	*40	80	78	286	253	191	34	560	58
20....	116	126	97	62	81	100	339	283	188	34	244	57
21....	112	124	97	90	91	84	382	360	180	32	139	57
22....	112	104	95	110	112	102	422	296	158	37	128	57
23....	112	112	102	130	133	112	465	357	139	32	116	56
24....	114	120	102	125	102	108	506	465	128	27	120	56
25....	112	126	106	120	99	120	465	575	135	32	137	54
26....	110	93	106	94	84	118	483	595	122	27	124	54
27....	112	114	84	92	81	126	474	439	104	25	100	58
28....	114	124	114	100	106	137	478	496	90	22	84	78
29....	135	102	112	105	....	153	570	655	78	23	78	64
30....	122	126	99	100	....	183	710	585	91	50	196	65
31....	118	....	99	98	....	170	....	565	....	48	406	....
Total	3166	3581	3207	2709	2507	3435	9341	15443	9760	1298	4253	2159
Mean.	102	119	103	87.4	89.5	111	311	498	325	41.9	137	72.0
Max..	135	133	124	130	133	191	710	944	1210	81	560	212
Min..	80	93	84	40	70	64	135	247	78	22	41	54
Acre-ft.	6280	7100	6360	5370	4970	6810	18530	30630	19360	2570	8440	4280

Total run-off for period=120,700 acre-feet.

*Discharge measurement made on this day.

Discharge of Plateau Creek Near Cameo, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	63	132	73	58	64	83	83	274	1810	444	86	60
2....	63	107	81	60	66	86	80	280	1710	375	86	59
3....	61	118	70	62	64	93	85	204	1460	422	86	63
4....	61	136	73	58	64	86	100	170	1130	470	81	61
5....	60	129	80	56	68	83	132	180	938	398	77	61
6....	59	115	85	62	72	73	158	268	872	319	73	59
7....	57	88	86	62	72	63	160	456	1010	290	70	59
8....	60	75	88	58	81	67	163	530	1020	253	70	61
9....	63	85	85	52	90	86	173	726	1250	228	72	63
10....	66	98	85	54	88	83	158	872	1690	209	72	61
11....	100	98	69	56	60	95	160	854	1760	196	72	60
12....	102	95	73	56	81	113	201	1000	1630	178	70	57
13....	95	95	92	50	80	139	242	1350	1410	165	67	57
14....	100	93	78	50	72	139	186	1250	1420	144	67	57
15....	98	88	80	54	85	104	158	1550	1300	129	67	59
16....	97	86	80	54	67	80	156	1850	1240	122	64	57
17....	92	86	75	56	81	95	136	2080	989	113	61	56
18....	90	90	86	58	70	102	132	1780	890	109	59	56
19....	102	88	90	60	75	85	127	1410	848	107	61	56
20....	100	86	80	62	75	90	120	1200	818	122	66	56
21....	95	86	80	62	81	85	113	1290	788	115	66	56
22....	95	100	80	60	80	77	115	1550	688	107	61	59
23....	88	107	80	*62	78	83	107	1840	575	104	61	57
24....	83	92	78	64	80	98	111	2040	570	107	59	59
25....	85	90	73	64	81	88	115	1820	550	129	69	60
26....	85	77	80	60	80	86	124	1800	615	122	66	64
27....	86	60	67	58	73	80	144	1500	640	115	64	64
28....	86	70	58	62	80	75	253	1400	452	107	63	63
29....	122	75	60	66	75	78	268	1660	406	102	61	64
30....	124	72	62	62	....	78	217	1750	406	95	60	66
31....	141	....	60	62	....	75	....	1760	....	92	59	....
Total	2679	2817	2387	1820	2183	2748	4477	36694	30885	5988	2116	1790
Mean.	86.4	93.9	77.0	58.7	75.3	88.6	149	1184	1030	193	68.3	59.7
Max..	141	136	92	66	90	139	268	2080	1810	470	86	66
Min..	57	60	58	50	60	63	80	170	406	92	59	56
Acre-ft.	5310	5590	4730	3610	4330	5450	8880	72780	61260	11880	4200	3550

Total run-off for period=191,600 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Buzzard Creek Near Collbran, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	2.4	7.7	5.8	4.1	3.4	7.2	49	232	65	12	1.1	34
2....	2.9	8.0	5.8	4.2	3.9	6.8	67	184	221	10	1.3	22
3....	2.7	10	5.8	4.0	4.1	6.8	86	189	191	8.4	1.8	14
4....	2.4	8.4	5.8	3.6	3.7	7.4	104	230	146	7.4	1.8	10
5....	1.8	7.4	5.5	3.8	4.2	7.8	122	230	136	5.8	1.2	7.4
6....	1.6	5.8	5.3	4.2	3.9	7.2	112	165	95	5.0	1.6	6.1
7....	1.9	5.8	4.5	3.9	4.0	7.6	112	175	77	4.2	2.4	5.5
8....	2.1	6.1	4.7	3.8	4.2	9.0	90	160	77	3.2	1.9	4.8
9....	2.4	6.1	5.0	4.0	4.3	13	52	144	65	3.0	1.3	4.5
10....	2.9	5.8	5.2	4.1	4.0	13	52	148	62	2.4	6.8	4.0
11....	3.2	5.3	5.2	3.9	4.3	11	34	158	67	2.1	6.1	4.0
12....	3.5	4.2	5.0	3.8	4.8	10	34	134	60	1.5	2.6	4.0
13....	3.9	4.0	4.8	4.0	4.6	10	50	126	66	1.4	2.1	3.5
14....	4.3	4.0	4.8	4.1	4.6	10	72	96	58	1.3	8.7	3.2
15....	4.5	4.5	4.9	4.1	5.0	10	88	85	56	1.3	5.0	3.0
16....	4.7	5.8	4.7	4.1	5.2	9.8	96	73	48	1.3	4.0	2.9
17....	4.7	5.3	4.6	4.0	5.6	9.2	83	66	42	1.3	7.1	2.6
18....	4.5	5.5	4.6	3.5	6.0	9.0	90	67	39	1.2	2.1	2.6
19....	4.4	7.1	4.7	2.8	*6.4	*9.0	110	66	37	1.2	9.0	2.9
20....	4.3	6.1	4.7	3.2	6.8	9.0	131	73	33	1.3	3.9	3.0
21....	4.3	6.1	4.6	4.0	7.2	8.8	148	85	32	1.3	2.1	3.0
22....	4.3	5.0	4.5	*4.1	7.0	11	160	66	28	1.8	1.6	2.9
23....	4.3	5.0	4.5	3.9	6.8	13	178	74	25	1.3	1.6	2.6
24....	4.4	5.5	4.6	3.7	6.6	16	185	88	21	1.2	1.4	2.4
25....	4.5	6.4	4.5	3.5	6.4	15	170	92	20	1.4	1.8	1.1
26....	5.5	5.5	4.3	3.2	6.4	18	180	101	21	1.2	1.8	1.9
27....	5.5	5.3	4.3	3.5	6.8	30	165	72	16	1.2	1.0	1.9
28....	5.8	6.1	4.4	3.8	7.6	42	160	78	15	1.0	7.4	2.2
29....	6.1	5.8	4.4	3.7	....	43	189	92	13	1.1	6.1	3.0
30....	7.1	6.8	4.2	3.6	....	53	205	86	14	1.2	8.3	3.2
31....	7.7	....	4.1	3.6	....	46	....	83	....	1.1	7.8	....
Total	1243	1804	149.8	117.8	147.8	478.6	3374	3718	1846	89.1	587.0	168.2
Mean.	402	601	4.83	3.80	5.28	15.4	112	120	61.5	2.87	18.9	5.61
Max..	7.7	10	5.8	4.2	7.6	53	205	232	221	1.2	9.0	3.4
Min..	1.6	4.0	4.1	2.8	3.4	6.8	34	66	13	1.0	1.1	1.1
Acre-ft.	247	358	297	234	293	949	6690	7370	3660	177	1160	334

Total run-off for period=21,770 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Buzzard Creek Near Collbran, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	2.9	11	3.3	3.4	4.1	3.9	10	122	405	46	1.4	0.3
2....	2.7	9.5	4.2	3.6	4.5	*4.2	20	105	358	40	1.2	0.3
3....	2.7	8.4	3.4	3.6	4.0	4.5	35	60	335	77	1.1	0.3
4....	2.6	8.4	3.9	3.2	4.5	5.0	45	45	292	85	0.8	0.2
5....	2.2	12	4.7	3.1	5.0	4.8	45	70	300	55	0.8	0.2
6....	2.2	9.0	5.5	3.3	5.3	4.6	44	147	234	42	0.8	0.3
7....	2.6	5.3	5.3	3.2	5.4	4.1	46	238	250	33	0.6	0.3
8....	2.4	4.7	5.5	3.1	5.5	4.5	46	286	248	27	0.6	0.3
9....	2.4	*5.5	5.5	3.1	5.7	5.2	61	392	270	22	0.6	0.3
10....	2.6	6.4	5.5	3.1	6.0	5.0	53	430	318	19	0.6	0.3
11....	3.2	7.1	4.6	3.3	7.2	6.0	72	502	300	18	0.6	0.3
12....	5.0	7.1	4.5	3.3	*7.4	7.0	90	540	258	17	0.6	0.3
13....	5.5	6.8	4.7	3.2	6.0	8.0	97	735	216	15	0.5	0.3
14....	5.5	5.8	4.8	3.2	5.0	7.2	53	891	222	14	0.4	0.3
15....	5.5	3.2	4.6	3.3	5.4	6.2	46	990	202	10	0.4	0.4
16....	5.8	3.5	4.7	3.5	5.4	5.8	38	1030	200	8.5	0.4	0.4
17....	5.8	2.9	4.4	3.5	5.2	6.6	38	978	182	8.0	0.4	0.4
18....	6.1	3.5	4.4	3.5	5.0	7.2	31	485	132	7.0	0.4	0.4
19....	7.4	3.7	4.5	3.5	4.3	6.4	33	450	122	6.3	0.4	0.4
20....	10	4.0	4.8	*3.5	4.4	7.2	31	515	117	6.6	0.5	0.5
21....	8.7	2.4	4.8	3.5	4.6	6.8	25	546	110	7.5	0.5	0.5
22....	7.7	1.4	4.9	3.7	4.5	6.4	27	666	97	6.6	0.5	0.6
23....	7.7	1.6	4.6	3.7	4.5	7.4	24	717	82	5.2	0.4	0.7
24....	6.4	0.6	4.3	4.1	4.6	8.2	31	699	76	7.0	0.4	0.8
25....	5.8	0.9	4.3	4.0	4.8	7.8	35	564	74	8.5	0.4	0.8
26....	5.8	0.8	4.4	3.8	4.4	7.2	38	546	85	9.0	0.4	0.9
27....	6.1	0.8	4.1	3.8	4.2	7.0	61	440	76	5.6	0.4	1.0
28....	6.4	1.6	3.7	4.0	4.1	6.6	82	415	61	4.6	0.4	1.1
29....	9.0	2.0	4.0	4.3	4.3	7.4	62	455	52	2.8	0.3	1.1
30....	18	2.7	4.1	4.0	....	9.4	81	448	48	1.9	0.3	1.1
31....	15	....	3.6	3.9	....	9.2	....	422	....	1.7	0.3	....
Total	181.7	142.6	139.6	109.3	145.3	196.8	1400	14929	5722	616.8	17.4	15.1
Mean.	5.86	4.75	4.50	3.53	5.01	6.35	46.7	482	191	19.9	0.56	0.80
Max..	18	12	5.5	4.3	7.4	9.4	97	1030	405	8.5	1.4	1.1
Min..	2.2	0.6	3.3	3.1	4.0	3.9	10	45	48	1.7	0.3	0.2
Acre-ft.	360	283	277	217	288	390	2780	29610	11350	1220	35	30

Total run-off for period=46,840 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Big Creek Near Collbran, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	6.4	2.8	3.8	3.5	3.8	4.6	3.9	50	42	28	32	16
2....	6.4	2.7	3.7	3.6	4.0	4.4	4.3	58	50	25	42	7.2
3....	6.4	2.8	3.7	3.4	4.0	4.4	6.1	53	14	26	36	5.9
4....	6.3	2.1	3.7	3.3	3.9	4.7	7.2	59	36	26	36	7.2
5....	5.9	1.7	3.6	*3.5	4.0	4.8	8.3	30	25	25	34	9.0
6....	5.2	2.6	3.5	3.7	3.8	4.5	9.0	43	12	25	73	11
7....	5.4	2.1	3.4	3.6	3.9	4.9	9.9	32	21	25	33	12
8....	5.5	2.1	3.6	3.4	4.0	5.4	7.2	24	28	23	58	12
9....	6.8	2.8	3.7	3.6	4.0	7.2	5.2	11	36	22	38	11
10....	7.0	1.7	3.8	3.7	3.8	7.2	3.3	15	39	19	26	9.6
11....	6.8	1.7	3.8	3.6	3.8	6.8	2.7	33	40	19	42	8.6
12....	6.1	1.7	3.8	3.5	4.0	6.4	2.4	38	36	28	42	8.8
13....	7.7	1.7	3.7	3.6	4.1	5.4	2.8	37	35	22	23	8.8
14....	7.9	1.9	3.8	3.7	4.0	4.8	6.0	28	34	26	25	9.0
15....	7.7	2.1	3.8	3.8	4.0	4.5	9.0	27	33	30	19	9.9
16....	7.5	2.6	3.8	3.9	4.0	4.5	9.8	34	32	33	18	13
17....	8.3	2.4	3.7	3.9	4.1	*4.5	10	36	32	30	21	12
18....	8.1	2.7	3.7	3.8	*4.2	4.6	13	36	34	31	34	12
19....	7.9	3.2	3.7	3.3	4.3	4.7	16	33	35	36	45	14
20....	7.7	3.1	3.7	3.5	4.4	4.7	20	32	32	37	18	14
21....	6.8	2.9	3.7	*3.7	4.5	4.6	24	33	36	37	24	14
22....	5.9	2.7	3.7	3.8	4.7	4.5	28	25	40	37	22	12
23....	5.7	2.7	3.7	3.9	4.9	4.3	30	36	38	38	22	10
24....	5.7	3.1	3.7	3.9	4.8	4.3	32	43	37	38	23	11
25....	5.4	3.5	3.7	3.8	4.7	4.6	32	47	40	36	22	14
26....	5.2	3.2	3.6	3.6	4.5	4.5	35	40	37	32	18	15
27....	4.8	3.4	3.6	3.8	4.5	4.4	39	46	36	26	15	19
28....	5.0	3.6	3.7	3.9	4.6	4.3	50	59	35	27	14	16
29....	5.2	3.8	3.7	3.9	....	4.3	60	66	34	30	13	10
30....	3.8*	3.9	3.6	3.9	....	4.4	70	42	35	36	49	11
31....	3.0	....	3.5	3.9	....	4.5	....	39	....	38	32	....
Total	193.5	79.1	114.2	114.0	117.3	151.7	556.1	1185	1014	911	949	343
Mean.	6.24	2.64	3.68	3.68	4.19	4.89	18.5	38.2	33.8	29.4	30.6	11.4
Max..	8.3	3.9	3.8	3.9	4.9	7.2	70	66	50	38	73	19
Min..	3.0	1.7	3.4	3.3	3.8	4.3	2.4	11	12	19	13	5.9
Acre-ft.	384	157	227	226	233	301	1100	2350	2010	1810	1880	680

Total run-off for period=11,360 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Big Creek Near Collbran, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	12	2.6	1.3	1.3	2.0	3.2	3.9	5.3	111	185	....	....
2....	13	2.0	1.2	1.3	2.2	*3.2	4.0	4.7	107	140	....	....
3....	11	2.4	1.3	1.3	2.5	3.5	3.9	4.1	107	147	....	....
4....	8.8	2.9	1.4	1.3	2.4	3.7	3.8	4.0	107	....	....	....
5....	7.7	3.2	1.4	1.3	3.0	3.5	3.9	5.3	103	....	....	....
6....	8.1	2.8	1.4	1.3	3.5	3.4	4.7	11	107	....	....	....
7....	8.1	2.7	1.5	1.3	3.7	3.4	4.8	18	109	....	....	....
8....	7.7	2.9	1.4	1.3	3.8	3.6	4.5	28	129	....	....	....
9....	6.3	*3.3	1.3	1.3	4.0	3.7	4.5	43	235	....	....	....
10....	4.3	3.4	1.3	1.3	4.7	3.9	3.9	50	410	....	....	....
11....	5.5	3.6	1.3	1.3	*4.9	4.0	4.5	52	412	....	....	....
12....	8.6	3.6	1.3	1.3	4.4	4.2	6.3	66	415	....	....	....
13....	8.1	3.1	1.3	1.3	3.8	4.2	8.0	75	430	....	....	....
14....	8.1	2.8	1.3	1.3	3.6	4.1	5.8	97	425	....	....	....
15....	8.6	2.6	1.3	1.3	3.9	3.9	5.2	107	405	....	....	....
16....	7.9	2.8	1.3	1.3	3.9	3.7	4.7	97	382	....	....	....
17....	6.3	2.4	1.3	1.3	3.8	3.8	4.4	89	365	....	....	....
18....	5.5	2.6	1.4	1.3	3.7	4.0	4.1	87	340	....	....	....
19....	7.9	2.7	1.4	1.3	3.5	3.7	4.1	79	370	....	....	....
20....	5.9	2.8	1.4	1.3	3.6	4.0	4.1	87	252	....	....	....
21....	4.7	1.6	1.4	*1.3	3.7	3.8	4.1	95	228	....	....	....
22....	2.6	1.2	1.3	1.3	3.7	3.7	4.0	105	188	....	....	....
23....	3.0	1.1	1.3	1.4	3.7	4.0	4.0	118	154	....	....	....
24....	2.6	1.1	1.3	1.6	3.8	4.2	4.0	105	147	....	....	....
25....	2.2	1.2	1.3	1.5	3.8	4.0	4.1	116	147	....	....	....
26....	2.4	1.1	1.3	1.5	3.6	3.9	4.0	107	257	....	....	....
27....	1.7	1.1	1.3	1.7	3.5	3.7	4.2	103	161	....	....	....
28....	2.7	1.2	1.3	1.8	3.4	3.6	4.5	165	124	....	....	....
29....	2.8	1.2	1.3	2.0	3.2	3.6	5.3	138	124	....	....	....
30....	2.6	1.2	1.4	1.9	....	3.9	5.0	133	143	....	....	....
31....	2.4	....	1.4	1.9	....	4.0	....	145	....	....	....	....
Total	189.1	69.2	41.4	43.9	103.3	117.1	136.3	2339.4	6994	....	....	....
Mean.	6.10	2.31	1.34	1.42	3.56	3.78	4.54	75.5	23.3	....	....	....
Max..	13	3.6	1.5	2.0	4.9	4.2	8.0	165	430	....	....	....
Min..	1.7	1.1	1.2	1.3	2.0	3.2	3.8	4.0	103	....	....	....
Acre-ft.	375	137	82	87	205	232	270	4640	13870	....	....	....

Total run-off for period=19,900 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Cottonwood Creek Near Molina, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	2.9	0.2	0.2	0.1	0.4	0.4	0.9	7.3	8.9	9.7	9.7	6.2
2....	2.6	0.2	0.2	0.1	0.4	0.4	0.9	8.1	13	8.6	10	6.0
3....	2.5	0.2	0.2	0.2	0.3	0.4	0.9	7.6	9.7	7.8	9.7	6.0
4....	2.4	0.2	0.2	0.2	0.3	0.4	1.0	11	8.4	9.4	9.4	5.8
5....	2.4	0.2	0.3	0.3	0.3	0.4	1.1	7.1	6.8	9.1	9.1	5.8
6....	2.4	0.2	0.3	0.2	0.2	0.4	1.1	7.1	6.8	8.4	9.1	5.5
7....	2.3	0.2	0.3	0.2	0.2	0.4	1.2	7.1	6.6	8.4	6.6	5.5
8....	2.3	0.2	0.2	0.4	0.2	0.4	1.0	6.2	6.2	7.8	7.8	5.5
9....	2.3	0.2	0.2	0.4	0.3	0.6	0.9	5.3	6.0	7.8	7.8	6.4
10....	2.3	0.2	0.2	0.4	0.3	0.5	0.8	5.5	6.4	8.9	6.4	6.8
11....	2.2	0.2	0.2	0.4	0.3	0.5	0.7	5.7	6.6	7.6	6.4	6.6
12....	2.2	0.2	0.2	0.4	0.3	0.5	0.6	4.5	6.8	7.1	6.8	6.4
13....	2.3	0.2	0.2	0.3	0.2	0.5	0.9	5.1	6.4	8.1	6.2	6.6
14....	2.2	0.2	0.1	0.2	0.2	0.5	1.0	6.8	6.2	8.1	5.9	6.4
15....	1.7	0.2	0.1	0.2	0.2	0.6	1.2	6.6	5.8	8.1	6.4	6.0
16....	1.2	0.2	0.1	0.2	0.2	0.6	1.3	6.8	6.6	9.1	6.2	6.2
17....	1.1	0.2	0.1	0.2	0.2	0.7	1.4	7.3	6.8	12	5.5	6.8
18....	1.0	0.2	0.1	0.2	0.2	0.8	1.4	6.8	6.8	9.1	8.9	5.8
19....	0.8	0.2	0.1	0.2	0.2	0.9	1.4	7.1	8.6	9.7	9.1	5.8
20....	0.8	0.2	0.1	0.2	0.2	1.0	3.1	6.2	8.4	10	7.8	5.8
21....	0.7	0.2	0.1	0.3	0.2	0.9	11	7.3	8.6	11	8.4	5.7
22....	0.6	0.2	0.1	0.3	0.2	0.8	12	8.1	10	11	8.4	5.8
23....	0.3	0.2	0.1	0.3	0.2	0.6	12	8.6	12	8.9	8.6	5.8
24....	0.2	0.2	0.1	0.3	0.3	0.6	9.4	8.9	11	8.1	9.4	6.2
25....	0.2	0.2	0.1	0.3	0.3	0.7	11	9.7	12	7.6	8.6	7.6
26....	0.2	0.2	0.1	0.4	0.4	0.7	11	10	12	7.1	7.6	7.8
27....	0.1	0.2	0.2	0.3	0.4	0.7	9.1	9.7	13	8.1	6.6	7.6
28....	0.1	0.2	0.2	0.3	0.3	0.8	9.7	10	12	9.1	6.4	7.1
29....	0.2	0.2	0.2	0.3	.....	0.9	8.1	13	12	9.4	6.4	7.1
30....	0.2	0.2	0.2	0.3	.....	0.9	7.6	9.7	11	11	6.6	7.3
31....	0.2	.....	0.2	0.3	.....	0.8	.....	9.1	.....	9.4	6.4	.....
Total	42.9	6.0	5.2	8.5	7.4	19.3	123.7	239.3	261.4	275.5	238.2	189.9
Mean	1.38	.20	.17	.27	.26	.62	4.12	7.72	8.71	8.89	7.68	6.33
Max..	2.9	0.2	0.3	0.4	0.4	1.0	12	13	13	12	10	7.8
Min..	0.1	0.2	0.1	0.1	0.2	0.4	0.6	4.5	5.8	7.1	5.5	5.5
Acre-ft.	85	12	10	17	15	38	245	475	518	546	472	377

Total run-off-for period==2,810 acre-feet.

Discharge of Bull Creek at Goyrn Ranch Near Molina, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	2.9	18	21	7.4	7.1	3.9
2....	3.2	18	40	6.8	7.7	3.9
3....	3.8	18	26	7.4	7.7	3.6
4....	4.5	23	18	8.3	7.4	6.5
5....	4.9	20	20	8.0	7.4	12
6....	5.3	14	18	7.7	7.4	12
7....	4.9	16	16	7.7	8.0	7.7
8....	4.0	18	16	11	8.0	7.7
9....	3.8	14	16	11	8.3	7.7
10....	3.6	13	16	11	8.3	7.4
11....	3.2	14	16	11	8.3	7.1
12....	3.2	12	16	11	10	6.1
13....	3.0	12	16	11	8.3	6.1
14....	3.6	11	16	13	7.7	6.1
15....	4.2	10	16	13	5.7	5.3
16....	5.3	9.5	15	12	6.1	4.9
17....	5.1	8.9	14	12	6.1	4.2
18....	5.1	8.9	14	11	8.9	3.3
19....	5.9	8.3	14	11	13	7.1
20....	7.4	8.6	10	11	13	6.5
21....	7.1	8.9	10	12	11	6.3
22....	7.4	8.9	11	12	6.3	5.7
23....	9.2	8.9	10	11	6.1	6.8
24....	13	8.6	10	10	6.1	6.8
25....	13	8.3	10	10	6.5	8.0
26....	13	11	10	11	5.5	8.0
27....	11	12	10	8.6	4.9	6.3
28....	11	16	10	6.8	4.5	5.1
29....	16	24	10	7.1	3.0	3.4
30....	19	21	7.1	7.7	3.0	3.4
31....	20	.....	7.4	3.6	.....
Total	55.8	71.4	96.2	206.6	422.8	452.1	305.9	224.9	188.9
Mean	1.8	2.6	3.1	6.89	13.6	15.1	9.87	7.25	6.30
Max..	19	24	40	13	13	12
Min..	2.9	8.3	7.1	6.8	3.0	3.3
Acre-ft.	111	142	191	410	839	897	607	416	375

Total run-off for period==4,020 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Coon Creek Near Mesa, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.1	1.1	0.6	0.4	0.3	0.6	1.1	9.6	2.5	1.6	3.0	1.4
2....	1.1	1.3	0.6	0.4	0.3	0.6	1.1	7.8	6.8	1.5	4.6	1.3
3....	1.1	1.2	0.6	0.3	0.3	0.6	1.4	6.5	5.2	1.5	3.0	0.6
4....	1.2	1.3	0.6	0.3	0.3	0.6	1.4	8.5	4.2	1.5	2.8	0.4
5....	1.2	0.7	0.6	0.2	0.3	0.6	1.7	7.8	3.4	1.5	2.1	0.4
6....	1.2	1.2	0.6	0.2	0.3	0.6	1.8	6.8	2.8	1.4	3.6	2.8
7....	1.3	1.1	0.6	0.2	0.4	0.6	1.9	6.5	2.5	1.4	2.2	1.7
8....	1.2	1.0	0.6	0.2	0.4	0.6	1.8	5.9	2.4	1.1	2.1	0.4
9....	1.1	1.0	0.6	0.2	0.4	1.1	1.5	5.0	2.0	1.2	2.1	0.3
10....	0.9	0.8	0.6	0.2	0.4	0.8	1.3	5.7	2.0	1.1	2.1	0.8
11....	0.9	0.7	0.5	0.1	0.5	0.9	0.8	5.7	1.9	1.1	2.7	0.6
12....	0.9	0.8	0.5	0.1	0.5	1.0	1.2	4.6	2.1	1.5	3.4	0.4
13....	1.0	0.7	0.6	0.1	0.5	1.0	1.2	4.4	2.0	1.5	2.6	0.4
14....	1.0	0.8	0.5	0.2	0.6	1.1	1.4	3.9	2.0	1.5	2.5	0.3
15....	1.0	0.8	0.5	0.2	0.4	0.9	1.6	3.8	1.8	1.1	2.4	0.3
16....	1.0	0.7	0.5	0.2	0.4	0.6	2.1	3.6	1.7	0.8	3.8	0.3
17....	1.0	0.8	0.5	0.2	0.4	0.6	2.3	3.6	1.7	0.8	2.3	0.3
18....	0.8	0.8	0.5	0.1	0.4	1.1	2.4	3.3	1.6	0.6	2.1	0.3
19....	0.8	0.7	0.5	0.1	0.4	0.7	3.6	3.1	1.6	1.1	4.6	0.3
20....	0.8	0.8	0.5	0.1	0.4	0.7	5.4	2.6	1.7	1.2	1.5	0.3
21....	0.8	0.8	0.4	0.2	0.4	0.7	6.1	2.6	1.9	1.2	1.2	0.6
22....	0.8	0.6	0.4	0.2	0.6	0.8	7.5	3.0	1.8	3.4	1.1	0.5
23....	1.0	0.7	0.4	0.2	0.8	0.8	8.8	2.6	1.8	2.3	1.1	0.3
24....	1.2	0.6	0.4	0.2	0.6	1.1	8.5	2.6	1.8	2.7	1.0	0.3
25....	1.2	0.6	0.4	0.2	0.6	1.1	8.8	2.7	1.8	3.1	0.9	0.3
26....	1.1	0.6	0.4	0.2	0.6	0.9	8.2	2.6	1.8	2.8	0.9	0.3
27....	1.1	0.6	0.4	0.2	0.6	1.1	8.2	2.6	1.9	2.7	0.8	0.4
28....	1.1	0.7	0.4	0.2	0.7	1.5	9.0	2.4	1.6	2.8	0.8	0.5
29....	1.2	0.6	0.4	0.3	....	2.0	11	4.1	1.7	4.1	0.8	0.4
30....	1.2	0.6	0.4	0.3	....	1.6	11	3.4	1.9	2.0	2.7	0.4
31....	0.8	....	0.4	0.3	....	1.1	....	2.8	....	2.2	1.7	....
Total	321	24.7	155	6.5	12.8	28.0	124.1	140.1	69.9	54.3	68.5	17.6
Mean.	1.04	.82	.50	.21	.46	.90	4.14	4.52	2.33	1.75	2.21	.59
Max..	1.3	1.3	0.6	0.4	0.8	2.0	11	9.8	6.8	4.1	4.6	2.8
Min...	0.8	0.6	0.4	0.1	0.3	0.6	0.8	2.4	1.6	0.6	0.8	0.3
Acre-ft.	64	49	31	13	25	56	246	278	139	106	136	35

Total run-off for period=1,180 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Mesa Creek Near Mesa, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	15	7.7	....	....	....	....	....	18	21	20	13	18
2....	16	7.7	....	....	....	....	....	16	30	18	13	16
3....	15	7.7	....	....	....	....	....	16	28	18	13	14
4....	14	7.7	....	....	....	....	....	31	28	16	13	14
5....	13	7.7	....	....	....	....	....	28	25	15	13	13
6....	7.7	7.7	....	....	....	....	....	24	23	16	14	14
7....	8.2	7.7	....	....	....	....	....	22	22	16	15	15
8....	8.8	....	....	....	....	....	....	23	21	16	13	14
9....	8.8	....	....	....	....	....	....	18	21	16	11	10
10....	8.8	....	....	....	....	....	....	18	21	16	13	8.7
11....	8.8	....	....	....	....	....	....	18	21	16	16	8.3
12....	8.8	....	....	....	....	....	....	20	21	13	15	8.3
13....	9.8	....	....	....	....	....	....	20	21	16	13	8.0
14....	9.8	....	....	....	....	....	13	20	21	22	14	7.6
15....	9.3	....	8.6	8.0	8.8	8.0	....	23	21	21	14	7.6
16....	9.3	....	....	....	....	*	....	23	21	21	15	7.2
17....	9.3	*	....	....	....	....	....	20	20	19	16	6.6
18....	8.8	....	....	....	....	....	....	16	20	17	13	6.6
19....	8.8	7.2	....	....	....	....	....	16	18	15	13	6.6
20....	8.8	....	....	*	....	....	....	16	18	15	13	6.3
21....	8.8	....	....	....	....	....	....	15	18	15	13	5.7
22....	8.2	....	....	....	....	....	....	15	20	16	13	6.0
23....	7.7	....	....	....	....	....	....	15	18	18	12	6.6
24....	7.7	....	....	....	....	....	....	15	20	20	12	9.5
25....	7.7	....	....	....	....	....	....	15	20	20	12	7.6
26....	7.7	....	....	....	....	....	....	15	20	17	12	6.9
27....	7.7	....	....	....	....	....	....	16	18	16	14	6.9
28....	7.7	....	....	....	....	....	....	16	18	17	13	7.2
29....	7.7	....	....	....	....	....	16	18	20	17	14	7.2
30....	7.7	....	....	....	....	....	17	20	21	16	16	6.9
31....	7.7	....	....	....	....	....	....	21	....	14	20	....
Total	293.1	219.5	266.6	248.0	246.4	248.0	397	587	635	528	424	280.3
Mean.	9.45	7.32	8.6	8.0	8.8	8.0	13.2	18.9	21.2	17.0	13.7	9.34
Max..	16	....	....	....	....	....	....	31	30	22	20	18
Min..	7.7	....	....	....	....	....	....	15	18	13	11	5.7
Acre-ft.	581	435	529	492	489	492	787	1160	1260	1050	841	556

Total run-off for period=8,670 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Mesa Creek Near Mesa, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	6.9	6.4	2.5	4.0	5.2	5.6	5.4	6.3	42	24	20	18
2....	6.6	4.5	2.8	4.1	5.2	5.6	5.2	6.6	44	23	20	18
3....	6.6	4.0	2.5	4.0	5.0	5.4	5.6	6.3	42	23	20	18
4....	6.6	4.2	2.9	3.9	4.9	5.4	5.6	6.6	37	24	21	18
5....	6.3	4.6	3.2	4.0	4.9	5.4	5.5	7.0	32	24	21	17
6....	5.7	3.2	3.4	4.2	4.9	5.2	5.2	8.6	32	24	21	16
7....	6.6	2.0	3.3	4.2	5.0	4.9	5.5	9.6	35	24	21	16
8....	6.9	2.0	3.5	4.0	5.0	5.2	5.5	12	34	24	22	16
9....	6.9	*2.1	3.6	4.1	5.0	5.4	5.2	14	32	24	22	16
10....	6.9	2.3	3.6	4.2	5.0	5.6	5.0	14	32	24	22	17
11....	6.9	2.5	3.5	4.3	*5.0	5.5	5.0	14	32	24	23	17
12....	7.6	2.5	3.7	4.2	5.0	5.4	5.5	16	25	23	23	17
13....	7.6	2.5	3.8	4.2	4.9	5.2	5.0	20	27	22	22	16
14....	6.9	2.4	3.8	4.3	4.7	5.0	5.5	22	28	23	22	16
15....	8.0	2.0	3.7	4.5	4.7	5.2	5.2	27	27	24	22	15
16....	7.6	2.1	4.0	4.7	4.7	5.4	5.2	25	27	25	22	15
17....	7.6	1.9	3.8	4.9	4.8	5.6	5.2	22	26	27	18	14
18....	6.6	2.1	3.8	5.1	4.9	5.4	4.8	18	25	27	18	14
19....	8.7	2.2	4.0	5.1	5.0	5.0	5.0	18	25	27	16	14
20....	9.5	2.4	4.1	*5.4	5.0	4.9	5.0	20	25	26	16	13
21....	8.0	2.1	4.3	5.4	4.9	4.8	5.0	21	25	26	16	11
22....	8.0	2.0	4.4	5.6	4.8	4.9	5.2	24	25	26	21	12
23....	8.0	2.2	4.3	5.6	4.9	5.0	6.0	40	26	26	25	11
24....	8.0	1.6	4.2	5.6	4.9	5.4	6.0	59	27	25	26	10
25....	8.0	1.9	4.0	5.4	5.0	5.2	6.3	51	26	25	25	9.9
26....	7.2	1.8	4.1	5.2	5.2	5.2	6.3	45	26	24	24	9.5
27....	7.2	1.8	4.0	5.2	5.2	5.0	6.3	40	27	24	23	9.1
28....	7.2	2.0	4.0	5.4	5.2	4.8	6.6	41	27	24	22	9.1
29....	7.6	2.2	4.0	5.0	5.4	4.8	6.3	44	27	23	23	9.1
30....	7.6	2.3	4.0	5.0	....	5.4	6.0	41	24	21	21	10
31....	8.0	....	3.9	5.0	....	5.3	....	40	....	20	20	....
Total	227.8	77.8	114.7	145.8	144.3	162.1	165.8	739.0	889	750	658	421.7
Mean.	7.35	2.59	3.70	4.70	4.98	5.23	5.53	23.8	29.6	24.2	21.2	14.1
Max..	9.5	6.4	4.4	5.6	5.4	5.6	6.6	59	44	27	26	18
Min..	5.7	1.6	2.5	3.9	4.7	4.8	4.8	6.3	24	20	16	9.1
Acre-ft.	452	154	228	289	286	322	329	1470	1760	1490	1310	836

Total run-off for period=8,930 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Taylor River Below Taylor Park Reservoir, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	259	94	50	50	50	50	109	32	109	680	232	284
2....	259	63	50	50	50	50	109	32	89	612	209	240
3....	259	66	50	50	50	50	109	32	52	545	204	212
4....	259	67	50	50	50	50	109	32	52	496	209	186
5....	259	67	50	50	50	50	109	0	53	460	212	168
6....	256	67	50	50	50	50	109	0	56	431	209	154
7....	235	67	50	50	50	50	109	0	60	403	204	147
8....	198	67	50	50	50	50	109	0	240	391	209	140
9....	200	50	50	50	50	50	109	0	568	383	196	136
10....	170	50	50	50	50	50	109	0	780	361	199	176
11....	158	50	50	50	50	50	109	0	895	336	130	316
12....	125	50	50	50	50	50	109	0	895	330	73	431
13....	111	50	50	50	50	50	109	0	820	316	67	572
14....	94	50	50	50	50	50	109	0	715	298	78	451
15....	92	50	50	50	50	50	109	0	635	316	109	399
16....	92	50	50	25	50	60	109	0	622	316	140	234
17....	92	50	50	25	50	70	70	0	640	284	166	399
18....	94	50	50	25	50	70	100	0	700	258	212	399
19....	94	50	50	25	50	70	110	0	735	237	261	455
20....	94	50	50	25	50	70	110	0	765	218	277	496
21....	98	50	50	25	50	70	125	0	820	220	249	496
22....	105	50	50	25	50	70	175	59	850	249	243	572
23....	105	50	50	25	50	70	225	76	865	255	232	630
24....	105	50	50	25	50	70	275	76	865	264	226	644
25....	107	50	50	25	50	70	337	82	840	243	218	644
26....	109	50	50	25	50	120	397	91	820	218	229	648
27....	101	50	50	50	50	200	308	91	770	261	229	648
28....	100	50	50	50	50	254	253	91	730	391	220	608
29....	100	50	50	50	....	254	200	91	690	375	202	435
30....	98	50	50	50	....	109	150	91	710	347	218	435
31....	92	....	50	50	....	109	....	97	....	291	294	....
Total	4520	1658	1550	1275	1400	2486	4579	973	17441	10785	6156	11755
Mean.	146	55.3	50.0	41.1	50.0	80.2	153	31.4	581	348	199	392
Max..	259	94	50	50	50	254	397	97	895	680	294	648
Min..	92	50	50	25	50	50	70	0	52	218	67	136
Ac.-ft.	8970	3290	3070	2530	2780	4930	9080	1930	34590	21390	12210	23320

Total run-off for period=128,100 acre-feet.

Discharge of Taylor River Below Taylor Park Reservoir, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	439	59	50	50	50	50	50	50	785	563	305	790
2....	439	59	50	50	50	50	50	50	770	545	415	790
3....	439	59	50	50	50	50	50	50	720	500	482	805
4....	439	59	50	50	50	50	50	50	644	478	455	860
5....	435	59	50	50	50	50	50	50	568	435	451	850
6....	435	59	50	50	50	50	50	50	532	395	451	835
7....	435	59	50	50	50	50	50	50	608	361	258	860
8....	435	59	50	50	50	50	50	50	640	347	229	880
9....	435	59	50	50	50	50	50	50	671	340	207	880
10....	435	59	50	50	50	50	50	50	795	330	204	920
11....	435	59	50	50	50	50	50	50	860	319	202	950
12....	415	55	50	50	50	50	50	50	840	298	255	950
13....	291	53	50	50	50	50	50	50	785	277	322	905
14....	204	53	50	50	50	50	50	50	770	258	423	840
15....	204	53	50	50	50	50	50	50	720	240	509	840
16....	152	53	50	50	50	50	50	50	770	240	509	780
17....	152	53	50	50	50	50	50	50	745	240	514	735
18....	154	53	50	50	50	50	50	50	705	237	563	705
19....	152	53	50	50	50	50	50	50	725	234	572	690
20....	152	53	50	50	50	50	50	50	800	243	572	658
21....	150	53	50	50	50	50	50	50	835	246	572	626
22....	150	53	50	50	50	50	50	50	845	246	572	622
23....	150	53	50	50	50	50	50	50	785	240	572	604
24....	150	53	50	50	50	50	50	50	770	223	572	590
25....	150	53	50	50	50	50	50	50	785	220	572	540
26....	150	53	50	50	50	50	50	50	765	196	572	500
27....	150	53	50	50	50	50	50	50	730	176	572	415
28....	113	53	50	50	50	50	50	100	653	164	604	354
29....	60	53	50	50	50	50	50	261	608	196	676	354
30....	60	53	50	50	....	50	50	482	594	218	705	354
31....	60	....	50	50	....	50	....	671	....	181	735	....
Total	8020	1658	1550	1550	1450	1550	1500	2994	21823	9186	14622	21482
Mean.	259	55.3	50.0	50.0	50.0	50.0	50.0	96.6	727	296	472	716
Max..	439	59	50	50	50	50	50	671	860	563	735	950
Min..	60	53	50	50	50	50	50	50	532	164	202	354
Ac.-ft.	15910	3290	3070	3070	2880	3070	2980	5940	43290	18220	29000	42610

Total run-off for period=173,300 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Taylor River at Almont, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	327	173	112	112	82	102	170	523	547	992	366	427
2....	327	164	117	116	88	94	167	404	674	904	338	371
3....	327	142	117	114	96	88	176	433	523	816	338	327
4....	327	142	115	110	82	100	182	457	511	758	327	296
5....	327	135	112	110	90	100	188	421	427	702	327	269
6....	327	110	108	*116	*80	92	202	376	415	660	349	252
7....	327	135	96	120	80	*102	206	371	445	628	338	240
8....	305	135	105	112	88	94	202	338	595	614	344	232
9....	274	140	107	110	92	100	182	300	968	602	327	228
10....	260	123	110	110	86	110	179	292	1200	583	216	248
11....	236	128	102	110	84	116	170	287	1370	547	216	393
12....	198	126	100	108	88	120	173	287	1330	529	228	493
13....	199	128	104	108	84	120	182	292	1200	499	196	640
14....	170	126	108	110	80	120	202	274	1060	481	192	577
15....	170	117	110	110	80	118	224	264	1010	529	213	493
16....	170	119	110	86	82	122	236	248	992	511	244	410
17....	170	121	110	90	88	120	196	228	1010	463	278	451
18....	167	119	110	80	92	120	232	216	1080	433	344	529
19....	167	117	110	72	96	122	260	210	1120	398	445	577
20....	167	119	112	82	100	112	292	206	1150	388	439	571
21....	164	117	110	84	102	108	316	210	1210	376	398	565
22....	170	98	110	84	108	108	388	228	1240	421	404	602
23....	170	90	114	72	114	106	487	310	1250	415	366	667
24....	170	110	116	66	116	110	571	344	1220	457	349	695
25....	170	117	116	72	110	130	688	415	1190	415	371	695
26....	167	98	114	76	102	180	674	457	1180	376	354	702
27....	167	108	110	100	100	250	583	463	1110	398	338	702
28....	164	117	116	100	108	310	589	547	1050	541	310	709
29....	164	108	118	96	....	320	614	571	1000	511	305	602
30....	173	110	118	92	....	210	553	577	1040	493	354	505
31....	170	....	116	86	....	180	....	559	....	445	463	....
Total	6791	3722	3433	3014	2598	4184	9484	11108	29117	16885	10077	14468
Mean.	219	124	111	97.2	92.8	135	316	358	971	545	325	482
Max..	327	173	118	120	116	320	688	577	1370	992	463	709
Min..	164	90	96	66	80	88	167	206	415	376	192	228
Ac-ft..	13470	7380	6810	5980	5150	8300	18810	22030	57750	33490	19990	28700

Total run-off for period=227,900 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Taylor River at Almont, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	511	148	96	100	110	100	100	121	1190	816	349	832
2....	511	142	96	100	105	105	100	128	1130	786	499	840
3....	511	148	100	105	100	105	100	117	1040	779	565	848
4....	511	148	104	110	100	105	105	119	936	751	541	904
5....	505	150	104	105	110	100	110	132	832	723	535	912
6....	505	148	112	110	98	100	115	161	800	688	523	896
7....	505	120	110	110	*98	100	117	206	944	647	457	912
8....	505	110	110	110	98	100	117	248	976	583	327	944
9....	505	130	106	110	100	100	121	264	1060	553	296	928
10....	505	130	104	110	100	*103	112	248	1300	529	292	952
11....	505	130	100	110	100	110	117	256	1360	505	282	1000
12....	457	130	98	110	100	110	121	338	1300	475	332	992
13....	338	121	100	110	100	110	121	382	1220	433	371	968
14....	282	121	105	110	100	110	110	398	1180	415	505	888
15....	264	119	105	*120	100	110	110	415	1150	393	577	888
16....	228	119	105	125	100	110	110	463	1200	393	589	840
17....	228	121	100	120	100	110	108	404	1160	382	589	793
18....	240	121	105	115	100	110	108	305	1080	398	634	772
19....	240	121	110	115	100	105	110	292	1110	371	660	744
20....	236	123	110	115	100	105	117	296	1190	382	660	723
21....	232	110	110	115	100	105	115	310	1240	404	654	688
22....	236	110	110	115	100	100	115	344	1230	388	654	688
23....	244	110	105	120	98	96	117	427	1140	349	647	667
24....	236	110	105	115	98	96	119	457	1110	344	654	640
25....	236	108	100	110	98	94	110	439	1110	344	660	621
26....	236	104	105	105	96	94	110	404	1090	316	654	602
27....	232	98	105	105	96	94	119	366	1030	282	647	523
28....	228	92	98	105	96	94	126	371	928	260	660	439
29....	158	94	96	105	96	94	121	577	872	248	751	439
30....	158	94	100	105	....	96	117	864	848	327	772	439
31....	152	....	105	105	....	98	....	1130	....	278	800	....
Total	10440	3630	3219	3425	2897	3169	3398	10982	32756	14542	17136	23322
Mean.	337	121	104	110	99.9	102	113	354	1092	469	553	777
Max..	511	150	112	125	110	110	126	1130	1360	816	800	1000
Min..	152	92	96	100	96	94	100	117	800	248	282	439
Ac-ft..	20710	7200	6380	6790	5750	6290	6740	21780	64970	28840	33990	46260

Total run-off for period=255,700 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Gunnison River at Iola, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	382	374	382	290	180	250	630	3510	2730	2860	805	1270
2....	390	382	338	290	185	230	700	3260	3440	2480	818	1040
3....	398	350	366	280	200	215	760	3460	3590	2160	954	898
4....	398	350	358	*241	*163	230	830	3550	2840	1920	940	792
5....	414	338	338	250	190	260	980	3550	2380	1750	940	740
6....	414	338	366	270	180	*243	1140	3040	2070	1590	1000	685
7....	414	344	302	250	200	220	1220	2970	2020	1440	954	630
8....	414	344	280	230	210	250	1250	2550	2280	1430	898	598
9....	382	350	302	240	215	280	1200	2240	2880	1360	898	567
10....	382	338	308	245	190	280	1020	2010	3400	1300	844	546
11....	358	320	290	245	200	290	968	1900	3890	1200	1000	641
12....	344	326	300	230	205	300	954	1840	3800	1150	982	729
13....	358	338	310	235	195	300	1040	1770	3400	1040	805	898
14....	358	338	320	240	195	290	1250	1650	2930	982	696	912
15....	350	332	320	240	200	280	1440	1540	2700	1230	652	779
16....	350	350	310	240	200	260	1570	1410	2550	1200	685	740
17....	350	326	300	230	205	280	1650	1250	2630	1040	718	620
18....	344	358	290	220	215	290	1700	1190	2840	912	1010	729
19....	338	350	290	195	230	280	1960	1070	2970	818	1440	766
20....	344	374	280	210	235	280	2280	1030	3060	779	1350	753
21....	344	358	280	240	235	280	2380	1110	3270	753	1070	740
22....	344	338	290	240	250	290	2610	1120	3380	831	1090	729
23....	350	350	300	240	270	300	2950	1280	3380	844	1070	766
24....	350	366	310	220	260	320	3090	1510	3310	805	1000	753
25....	358	366	310	220	250	350	3220	1820	3310	831	1220	766
26....	350	326	310	230	230	380	3180	2140	3380	740	1070	831
27....	338	332	260	240	230	450	2990	2090	3310	696	940	844
28....	338	374	280	235	270	570	2910	2540	3130	792	844	831
29....	350	320	290	230	....	580	3180	2810	2910	844	805	766
30....	366	350	290	210	....	620	3420	2910	3020	982	982	578
31....	366	....	280	195	....	650	....	3040	....	926	1520	....
Total	11336	10400	9550	7371	5988	10098	54472	67160	90800	37685	30000	22937
Mean.	366	347	308	238	214	326	1816	2166	3027	1216	968	765
Max.	414	382	382	290	270	650	3420	3550	3890	2860	1520	1270
Min.	338	320	260	195	163	215	630	1030	2020	696	652	546
Ac.-ft.	22480	20630	18940	14620	11880	20030	108000	133200	180100	74750	59500	45490

Total run-off for period=709,700 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Gunnison River at Iola, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	578	449	320	270	270	270	270	641	4690	2990	696	996
2....	588	430	330	260	270	270	270	696	4430	2910	831	968
3....	609	430	310	270	270	270	270	641	4240	2970	968	968
4....	620	449	300	270	270	265	280	536	3840	2860	968	1010
5....	609	506	310	250	280	260	320	536	3400	2730	926	1010
6....	609	496	310	260	270	255	360	718	3090	2540	940	996
7....	598	430	320	270	270	250	380	1190	3270	2260	996	996
8....	609	422	320	250	*271	245	400	1520	3440	2040	844	996
9....	620	430	320	230	280	245	420	1840	3550	1900	805	898
10....	620	440	310	240	275	250	420	1890	4100	1850	818	844
11....	630	430	290	260	265	*254	430	1900	4370	1770	740	898
12....	641	420	280	*233	270	260	470	2260	4370	1570	707	912
13....	567	410	290	230	280	270	580	2770	4120	1390	707	940
14....	496	400	300	250	270	270	560	3260	3970	1280	779	870
15....	506	390	290	270	270	265	536	3570	3820	1220	844	857
16....	496	390	280	290	260	265	506	4120	3350	1250	870	857
17....	478	400	270	300	265	270	468	4220	3740	1170	857	792
18....	478	400	280	280	265	270	468	3780	3550	1090	870	792
19....	506	390	290	280	260	270	458	2660	3930	1040	912	740
20....	506	390	300	280	265	265	487	3660	3930	1330	926	729
21....	487	380	290	280	270	245	449	2700	4050	1250	898	685
22....	487	390	290	280	270	270	430	2880	4030	1120	884	674
23....	496	390	290	290	270	270	430	3260	3700	996	857	641
24....	496	380	280	280	270	270	440	3670	3670	1030	857	609
25....	496	360	280	270	270	265	468	3650	3800	1030	912	609
26....	496	320	280	260	260	260	449	3500	3780	956	898	598
27....	506	300	260	260	260	260	516	3180	3590	898	857	556
28....	506	310	250	260	265	260	718	3060	3150	805	844	487
29....	496	310	250	260	270	270	968	3630	2990	740	912	468
30....	506	310	270	260	....	275	696	4100	2970	740	940	458
31....	496	....	280	270	....	280	....	4650	....	729	982	....
Total	16832	11952	9040	8213	7801	8184	13927	79418	113230	48494	26845	23854
Mean.	543	398	292	265	269	264	464	2562	3774	1564	866	795
Max.	641	506	330	300	280	280	968	4650	4690	2990	996	1010
Min.	478	300	250	230	260	245	270	536	2970	729	696	458
Ac.-ft.	33390	23710	17930	16290	15470	16230	27620	157500	224600	96190	53250	47310

Total run-off for period=729,500 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Gunnison River Below Gunnison Tunnel, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	360	450	775	5460	5360	3790	538	2000
2....	390	420	735	5280	6800	3280	534	1660
3....	*420	380	820	5440	7160	2730	685	1470
4....	400	420	1060	5600	5580	2350	600	1270
5....	430	470	1220	5660	4210	2060	605	1090
6....	410	420	1870	4780	3200	1780	680	972
7....	400	460	2620	4740	3040	1500	660	820
8....	420	470	2290	4840	3410	1330	615	520
9....	450	*484	1670	3420	4520	1280	635	274
10....	380	520	1250	3110	5680	1160	650	184
11....	400	500	954	3000	6340	1020	870	142
12....	430	490	870	2930	6050	906	1220	202
13....	400	490	1040	2830	5210	800	942	278
14....	390	500	1410	2580	4100	660	790	422
15....	400	520	1810	2330	3540	1000	566	322
16....	400	424	1950	2010	3340	1080	530	254
17....	400	254	2100	1670	3450	790	710	145
18....	Jan. 20	410	238	2220	1520	3800	630	1260	178
19....	to 31	420	278	2530	1420	4000	466	1350	192
20....	370	430	246	3100	1360	4170	366	2030	181
21....	430	460	254	3360	1470	4620	346	1610	154
22....	440	480	242	3710	1500	4960	346	1680	133
23....	470	500	278	4160	1600	5020	404	1610	142
24....	440	490	326	4490	2090	4840	330	1530	151
25....	390	470	342	4630	2770	4940	417	1600	151
26....	340	440	262	4640	3300	5220	306	1510	167
27....	360	430	202	4330	3180	4880	230	1400	254
28....	400	460	374	4110	4110	4550	282	1250	366
29....	420	....	635	4570	5480	4060	374	1210	322
30....	*380	....	820	5140	5690	3930	489	1330	181
31....	370	....	845	....	5740	....	552	2180	....
Total	4810	11870	13014	75434	106910	139980	33054	33880	14597
Mean.	401	424	420	2514	3449	4666	1066	1093	487
Max.	470	500	845	5140	5740	7160	3790	2180	2000
Min.	340	360	202	735	1360	3040	230	530	133
Ac-ft.	9540	23540	25810	149600	212100	277600	65560	67200	28950

Total run-off for period=859,900 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Gunnison River Below Gunnison Tunnel, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	115	330	470	340	390	470	264	1110	9180	4950	320	253
2....	261	242	500	350	390	480	183	1220	8440	4890	376	264
3....	121	195	470	360	390	490	208	1120	7870	4760	456	232
4....	121	294	450	360	400	500	253	915	6760	4660	456	232
5....	118	399	470	360	400	480	832	898	5520	4450	424	253
6....	106	453	470	360	400	460	1060	1380	5040	4170	416	246
7....	96	342	480	360	*409	350	1040	2490	5770	3830	488	222
8....	96	290	500	350	420	270	988	3260	6050	3370	408	236
9....	85	342	450	340	430	290	1020	3880	6650	3080	336	176
10....	82	448	420	350	430	310	800	4260	8220	2900	380	94
11....	136	476	440	360	410	320	715	4310	8890	2710	328	98
12....	242	494	430	340	400	320	1020	5070	8570	2290	228	108
13....	270	480	450	340	410	340	964	6350	7660	1940	194	128
14....	246	458	480	360	400	360	645	8140	7510	1680	176	100
15....	226	580	460	380	410	540	424	9190	7210	1390	253	72
16....	242	685	440	390	430	530	368	10700	7240	1420	280	75
17....	226	670	440	380	420	300	514	10300	6350	1350	268	46
18....	198	700	420	380	440	270	650	7630	5980	1220	264	50
19....	226	700	440	360	430	250	578	5650	6230	1110	316	25
20....	294	690	470	380	450	250	478	5230	6940	1370	360	6.0
21....	294	675	450	380	*491	240	447	5550	7720	1280	316	6.0
22....	270	695	400	390	470	236	376	5960	7670	1110	304	5.0
23....	270	710	410	400	450	228	352	7050	6940	937	264	5.0
24....	266	705	410	390	460	276	420	8200	7070	1020	246	5.0
25....	254	695	380	380	470	250	514	7740	7320	1140	288	5.0
26....	298	645	380	380	470	236	470	7130	7550	1050	304	5.0
27....	330	507	380	370	470	211	591	6300	6810	888	250	5.0
28....	334	458	370	370	460	180	1100	5650	5870	805	200	5.0
29....	366	494	360	370	450	197	1290	6890	5410	404	197	13
30....	399	448	350	380	....	214	1050	8380	5100	438	253	5.0
31....	394	....	420	390	....	404	....	9190	....	420	256	....
Total	6982	15300	13460	11400	12450	10252	19614	171143	209540	67032	9605	2975.0
Mean.	225	510	434	368	429	331	654	5521	6985	2162	310	99.2
Max.	399	710	500	400	491	540	1290	10700	9180	4950	488	264
Min.	82	195	350	340	390	180	183	898	5040	404	176	5.0
Ac-ft.	13850	30350	26700	22610	24690	20330	38900	339500	415600	133000	19050	5900

Total run-off for period=1,090,000 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Gunnison River Near Grand Junction, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	868	1110	1020	854	897	744	1770	10400	7840	5260	1140	4180
2....	822	1140	1050	868	865	753	1680	10100	8180	4840	1280	3480
3....	793	1280	1060	868	873	855	1710	9800	12600	4150	1360	3010
4....	789	1180	1100	826	814	840	2030	10200	9950	3590	1650	2650
5....	801	1190	1110	829	789	897	2520	12900	7620	3220	1500	2340
6....	789	1170	1080	905	860	920	2860	11600	5990	2810	1430	2070
7....	781	1130	998	851	795	870	3800	10000	5450	2500	1910	1870
8....	793	1140	880	910	844	860	4330	9510	5460	2190	1880	1560
9....	793	1140	841	868	838	860	3680	8020	6050	2030	1910	1350
10....	781	1110	863	880	740	903	3860	6800	7100	1960	1800	1150
11....	789	1110	958	905	810	988	2380	6040	7940	1800	1890	1130
12....	818	1040	1010	920	838	962	1940	5660	8240	1630	2960	1040
13....	868	1000	982	875	858	925	1740	5400	7510	1480	2660	1000
14....	976	988	873	875	854	903	2020	5120	6610	1360	2300	1040
15....	1020	1010	863	895	870	898	2920	4690	5460	1240	2000	1180
16....	1070	1070	868	900	851	938	3690	4140	5000	1590	2010	1130
17....	1040	1160	863	890	861	806	3800	3600	4910	1790	1920	976
18....	1020	1140	903	830	798	828	4080	3120	5200	1440	2730	928
19....	1030	1110	903	760	864	895	4520	2940	5650	1240	3700	826
20....	1030	1130	888	878	864	828	5440	2750	5700	1080	4160	854
21....	994	1120	898	1210	888	849	6310	2650	5970	940	3280	898
22....	1020	1120	888	1100	904	826	6680	2920	6410	976	2990	875
23....	1020	1050	908	1070	944	851	7540	2850	6530	1010	3210	841
24....	1030	982	955	1110	1010	840	8480	3010	6430	986	3190	832
25....	1000	1020	1000	1180	987	844	8490	3670	6210	933	3430	890
26....	888	1100	1040	1110	969	863	8620	4720	6580	943	3450	920
27....	872	1040	1030	862	888	875	8470	5160	6580	915	2940	986
28....	953	982	953	857	792	883	8060	4920	6200	781	2710	1400
29....	1040	1090	908	882	....	958	8210	6740	5650	704	2610	1310
30....	1110	1070	873	872	....	1280	9300	8330	5300	823	2800	1260
31....	1100	....	854	900	....	1740	....	8220	....	855	4650	....
Total	28698	32922	29420	28540	24165	28282	140930	195980	200320	57066	77450	43976
Mean.	926	1097	949	921	863	912	4698	6322	6677	1841	2498	1466
Max.	1110	1280	1110	1210	1010	1740	9300	12900	12600	5260	4650	4180
Min.	781	982	841	760	740	744	1680	2650	4910	704	1140	826
Ac.-ft.	56920	65300	58350	56610	47930	56100	279500	388700	397300	113200	153600	87230

Total run-off for period=1,761,000 acre-feet.

Discharge of Gunnison River Near Grand Junction, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1130	1390	936	780	830	820	802	3920	16400	7780	1240	724
2....	992	1340	944	760	850	820	884	3880	15300	7490	904	730
3....	962	1330	1000	806	800	844	886	3100	15200	7310	927	732
4....	962	1250	1150	790	850	892	910	2700	15200	7360	956	725
5....	950	1260	1080	760	860	916	1080	2360	12200	7080	980	688
6....	925	1350	1030	800	870	882	1480	2820	10100	6710	950	678
7....	925	1400	1150	830	850	824	1800	4880	9960	6030	938	686
8....	919	1290	1170	780	880	773	2000	7060	12200	5290	950	676
9....	937	1160	1170	760	916	673	1900	8480	12200	4640	974	676
10....	949	1190	1160	850	892	758	2050	9970	13700	4450	887	707
11....	955	1330	1060	910	844	825	1730	10300	15400	4260	897	670
12....	1030	1370	958	890	796	887	1660	11800	15200	3900	866	636
13....	1200	1340	892	830	748	949	2190	14200	13500	3220	798	660
14....	1260	1300	932	900	796	967	2400	18300	12200	2860	717	718
15....	1200	1300	1030	960	740	1080	1900	22400	11700	2680	689	750
16....	1120	1290	1010	980	820	1100	1540	24800	11300	2460	702	768
17....	1120	1320	932	860	781	942	1680	25600	10900	2370	772	756
18....	1070	1250	850	910	832	883	1760	19900	9300	2280	727	792
19....	1090	1260	860	900	818	848	1580	13600	9140	2100	744	801
20....	1190	1250	934	920	788	948	1530	11800	9740	1930	818	798
21....	1260	1220	1100	870	780	984	1550	12200	10700	2640	858	818
22....	1250	1220	1160	840	815	936	1560	13100	11200	2490	830	804
23....	1210	1250	1080	890	917	886	1420	15000	10500	2300	783	777
24....	1230	1270	1050	830	808	818	1330	17400	9690	2170	745	783
25....	1220	1270	1050	780	840	830	1430	17200	10100	2710	738	762
26....	1180	1230	982	730	887	906	1570	15800	10500	2710	804	780
27....	1180	1190	919	780	887	886	1470	13700	10400	2380	818	846
28....	1190	1060	850	820	848	810	2040	12200	9430	2070	786	874
29....	1240	936	786	810	840	766	3690	12500	8330	1610	745	895
30....	1350	962	794	786	....	736	3590	14600	8000	1510	683	882
31....	1430	....	760	800	....	727	....	16300	....	1360	680	....
Total	34626	37588	30770	25912	24183	26916	51412	381870	349690	116150	25960	22592
Mean.	1117	1253	993	836	834	868	1714	12320	11660	3747	836	753
Max.	1430	1400	1170	980	916	1100	3960	25600	16400	7780	1240	895
Min.	919	936	760	730	740	673	802	2360	8000	1360	680	636
Ac.-ft.	68680	74550	61030	51400	47970	53390	102000	757400	693600	230400	51380	44810

Total run-off for period=2,237,000 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of East River Near Crested Butte, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	28	27	....	....	....	....	26	540	650	591	108	115
2....	28	28	....	....	....	....	26	556	845	501	118	99
3....	28	27	....	....	....	....	28	614	632	447	124	91
4....	28	27	....	....	....	....	33	626	517	410	104	85
5....	28	27	....	....	....	....	38	523	468	384	100	80
6....	28	27	....	....	....	....	52	452	468	358	100	76
7....	28	27	....	....	....	....	74	390	523	333	95	72
8....	28	27	....	....	....	....	74	318	650	328	92	70
9....	28	26	....	....	....	....	66	269	747	298	89	69
10....	28	25	....	....	....	....	66	264	761	274	86	68
11....	28	24	....	....	....	....	62	284	674	269	111	66
12....	29	23	....	....	....	....	60	298	620	260	109	63
13....	40	23	....	....	....	....	*70	313	517	233	94	62
14....	40	24	....	....	....	....	84	288	474	225	85	65
15....	36	25	22	24	26	27	100	260	490	246	81	59
16....	34	25	....	....	....	....	109	225	501	208	94	58
17....	32	25	....	....	....	....	126	216	579	190	94	58
18....	30	24	....	....	....	....	137	237	632	169	142	56
19....	30	25	....	....	....	....	166	221	638	161	194	58
20....	29	25	....	....	....	....	204	255	662	158	126	54
21....	28	24	....	....	....	....	229	298	747	161	106	53
22....	28	22	....	....	....	....	274	323	796	158	108	52
23....	28	22	....	....	....	....	343	416	782	155	96	50
24....	28	24	....	....	....	....	400	474	734	142	101	49
25....	28	24	....	....	....	....	395	591	824	129	129	49
26....	27	22	....	....	....	....	384	626	754	117	98	51
27....	26	23	....	....	....	....	364	638	710	122	89	54
28....	27	24	....	....	....	....	426	754	662	115	84	54
29....	28	22	....	....	....	....	495	686	608	117	86	52
30....	27	23	....	....	....	....	545	686	668	126	147	52
31....	26	....	....	....	....	....	....	698	....	115	183	....
Total	909	741	682	744	728	837	5456	13339	19333	7500	3373	1940
Mean.	29.3	24.7	22	24	26	27	182	430	644	242	109	64.7
Max..	40	28	....	....	....	....	545	754	845	591	194	115
Min..	26	22	....	....	....	....	26	216	468	115	81	49
Acre-ft.	1800	1470	1350	1480	1440	1660	10820	26460	38350	14880	6690	3850

Total run-off for period=110,200 acre-feet.

*Winter discharge measurement made on this day.

Discharge of East River Near Crested Butte, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	50	43	26	21	18	15	13	46	692	596	106	48
2....	49	39	26	21	18	15	13	49	644	584	106	46
3....	47	47	28	21	18	15	14	47	578	584	102	45
4....	45	54	30	20	18	14	15	45	478	505	96	44
5....	44	49	32	20	*18	13	16	53	425	510	92	44
6....	44	43	30	19	18	13	17	78	456	488	93	44
7....	44	36	28	19	19	13	19	106	549	440	90	44
8....	43	35	28	19	19	14	22	123	554	420	85	44
9....	42	40	26	18	18	*14	25	156	632	415	88	43
10....	42	40	26	18	18	15	27	171	716	400	88	41
11....	44	40	26	18	18	15	28	200	698	365	78	40
12....	50	38	26	18	17	15	*30	296	668	328	71	39
13....	45	38	26	*18	17	15	29	385	656	305	67	39
14....	46	36	26	18	17	15	28	445	650	269	67	40
15....	45	36	26	19	17	14	28	572	656	260	63	44
16....	44	34	26	19	17	14	28	632	680	244	62	42
17....	44	34	26	19	17	13	27	538	590	228	58	40
18....	42	36	26	19	17	13	27	355	620	210	59	39
19....	47	34	26	19	17	13	27	296	692	200	58	37
20....	46	34	26	18	17	13	27	328	803	210	55	36
21....	44	34	26	18	17	13	26	385	803	193	55	36
22....	46	34	26	18	17	13	26	450	796	183	54	37
23....	47	36	25	18	16	13	26	566	680	165	54	36
24....	42	34	25	18	16	13	27	650	722	165	57	35
25....	44	30	24	18	16	13	27	608	747	156	63	36
26....	46	28	24	18	16	13	32	560	710	140	58	46
27....	44	26	24	18	16	13	41	522	644	133	55	42
28....	48	26	22	19	16	13	46	590	584	126	54	38
29....	53	26	21	19	16	13	47	704	602	121	53	37
30....	52	26	21	19	....	13	44	740	614	128	52	37
31....	48	....	21	19	....	13	....	747	....	116	50	....
Total	1417	1086	799	583	499	424	802	11443	19339	9187	2189	1219
Mean.	45.7	36.2	25.8	18.8	17.2	13.7	26.7	369	645	296	70.6	40.6
Max..	53	54	32	21	19	15	47	747	803	596	106	48
Min..	42	26	21	18	16	13	13	45	425	116	50	35
Acre-ft.	2810	2150	1580	1160	990	841	1590	22700	38360	18220	4340	2420

Total run-off for period=97,160 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of East River at Almont, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	52	88	56	60	68	72	80	1550	1370	1030	218	298
2....	50	90	64	60	74	66	83	1460	2090	881	224	250
3....	50	88	61	60	80	60	88	1620	1730	788	261	224
4....	49	88	64	54	74	64	102	1670	1200	740	279	210
5....	49	76	60	54	82	66	118	1530	1010	686	298	188
6....	49	86	62	*57	*88	62	153	1250	930	632	294	188
7....	49	83	59	58	84	*64	234	1160	993	592	268	178
8....	48	83	60	56	76	70	237	958	1170	587	261	171
9....	48	94	62	56	72	72	215	818	1350	550	264	166
10....	49	68	62	56	76	74	215	764	1480	520	247	164
11....	49	67	62	54	76	74	183	788	1380	495	286	155
12....	49	66	60	54	76	76	188	800	1280	475	290	148
13....	52	64	58	56	74	76	215	794	1100	435	254	144
14....	54	65	60	60	72	76	275	752	951	420	224	146
15....	53	68	62	66	68	74	338	680	909	485	212	134
16....	52	72	60	68	66	72	410	598	902	415	221	126
17....	58	62	60	68	64	68	485	550	979	379	231	122
18....	59	72	60	64	64	74	505	570	1100	343	313	116
19....	59	65	60	56	66	78	614	530	1090	309	415	114
20....	60	68	60	64	68	74	752	570	1120	286	334	108
21....	71	61	60	74	70	72	800	668	1260	279	279	106
22....	70	55	60	76	72	72	937	662	1330	294	279	100
23....	68	62	60	74	74	74	1070	800	1340	275	247	93
24....	71	64	60	64	72	80	1150	909	1270	268	240	93
25....	77	66	58	66	70	84	1160	1110	1320	264	330	95
26....	72	51	58	70	66	84	1130	1270	1330	240	264	97
27....	77	65	60	72	70	86	1080	1200	1240	224	231	102
28....	77	65	60	70	72	86	1120	1570	1160	218	210	102
29....	81	51	58	74	....	86	1290	1640	1070	221	204	73
30....	81	66	56	76	....	84	1500	1600	1110	240	306	88
31....	77	....	58	72	....	80	....	1620	....	228	420	....
Total	1860	2119	1860	1969	2034	2300	16727	32461	36564	13799	8404	4299
Mean.	60.0	70.6	60.0	63.5	72.6	74.2	558	1047	1219	445	271	143
Max..	81	94	64	76	88	86	1500	1670	2090	1030	420	298
Min..	48	51	56	54	64	60	80	530	902	218	204	73
Acre-ft.	3690	4200	3690	3910	4030	4560	33180	64390	72520	27370	16670	8530

Total run-off for period=246,700 acre-feet.

*Winter discharge measurement made on this day.

Discharge of East River at Almont, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	93	106	76	60	62	57	52	140	1750	1240	233	135
2....	95	106	74	60	64	59	50	155	1600	1200	227	129
3....	93	112	73	60	64	59	52	132	1450	1200	221	125
4....	95	112	86	58	64	56	55	124	1180	1110	210	123
5....	95	132	86	56	64	55	62	142	1010	1060	205	123
6....	95	124	83	54	66	50	75	201	966	966	242	123
7....	95	104	80	56	*68	52	76	317	1150	889	284	120
8....	97	102	78	52	68	52	93	425	1130	798	262	111
9....	95	118	75	52	68	60	114	545	1220	805	273	95
10....	95	112	74	52	66	57	106	565	1570	784	259	89
11....	95	116	72	52	66	59	118	668	1650	742	233	86
12....	100	110	72	54	64	59	146	931	1590	646	212	82
13....	100	108	74	54	64	59	144	1110	1480	600	198	79
14....	99	108	74	56	64	57	122	1280	1450	565	190	81
15....	99	99	72	*58	64	55	110	1430	1390	535	182	82
16....	99	97	72	60	64	51	108	1680	1500	515	178	84
17....	97	97	72	60	62	57	100	1560	1300	486	180	84
18....	95	104	74	58	62	60	97	1070	1280	450	185	84
19....	102	97	74	58	64	50	99	903	1390	432	178	82
20....	114	95	74	60	64	59	95	938	1600	445	172	82
21....	102	90	75	60	64	56	86	1040	1660	422	170	82
22....	114	91	75	62	64	51	83	1130	1590	396	168	82
23....	112	99	72	62	62	52	84	1390	1420	373	159	82
24....	102	97	67	62	62	54	90	1620	1490	378	159	82
25....	106	83	67	60	62	49	93	1560	1600	373	168	81
26....	106	78	68	60	63	50	91	1380	1540	339	161	86
27....	104	75	62	60	63	50	116	1200	1400	304	159	84
28....	110	70	60	62	62	44	151	1280	1200	280	151	88
29....	120	72	58	62	59	49	153	1730	1200	270	149	86
30....	122	70	60	62	....	51	132	1870	1220	266	147	85
31....	114	....	60	62	....	49	....	1900	....	252	141	....
Total	3160	2984	2239	1804	1853	1678	2953	30416	41976	19121	6056	2837
Mean.	102	99.5	72.2	58.2	63.9	54.1	98.4	981	1399	617	195	94.6
Max..	122	132	86	62	68	60	153	1900	1750	1240	284	135
Min..	93	70	58	52	59	44	50	124	966	252	141	79
Acre-ft.	6270	5920	4440	3580	3680	3330	5860	60330	83260	37930	12010	5630

Total run-off for period=232,200 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Slate River Near Crested Butte, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	9.4	13	7.0	9.2	8.4	9.8	35	809	706	420	60	84
2....	8.8	14	7.5	9.2	8.8	9.2	35	776	1090	365	70	72
3....	8.8	13	8.2	9.0	9.2	9.0	37	881	776	330	72	60
4....	8.2	13	7.5	8.2	9.2	*9.8	50	863	525	310	60	52
5....	7.5	10	7.2	8.6	9.8	11	68	720	436	283	58	46
6....	8.2	12	6.4	*8.9	10	10	180	555	412	267	54	43
7....	7.5	12	6.0	8.8	9.8	9.4	190	455	460	258	51	39
8....	7.5	11	7.0	8.6	9.0	11	180	344	555	252	50	37
9....	7.5	13	6.6	8.8	8.8	11	160	290	657	226	46	34
10....	7.5	7.5	7.4	9.0	9.6	11	140	274	744	214	45	34
11....	13	11	7.2	8.8	9.8	12	130	303	632	198	68	32
12....	18	10	7.8	8.4	9.8	12	130	320	590	198	62	30
13....	13	9.4	8.2	8.8	9.4	12	140	334	490	195	48	29
14....	12	8.2	8.4	9.0	9.0	12	170	303	400	192	41	29
15....	12	7.5	8.4	9.2	8.6	12	200	277	382	198	39	27
16....	11	7.5	8.4	9.0	8.6	12	234	246	386	155	45	26
17....	11	6.6	8.4	9.0	8.8	13	274	231	436	130	48	26
18....	10	7.0	8.2	8.6	9.0	14	274	240	515	114	72	26
19....	10	7.0	8.0	8.0	9.2	13	334	231	510	110	91	27
20....	10	6.6	8.0	8.8	9.6	13	393	264	530	104	70	24
21....	10	6.6	8.4	10	10	13	494	306	590	102	56	23
22....	10	5.2	8.6	10	10	14	490	313	590	104	56	21
23....	9.4	6.6	8.8	10	11	15	570	382	585	98	51	21
24....	9.4	7.0	8.8	9.2	10	16	608	485	565	98	50	20
25....	8.8	5.7	9.0	9.4	9.8	17	596	620	590	89	80	21
26....	8.2	3.9	9.0	9.6	9.4	18	555	671	620	78	56	21
27....	11	5.7	8.4	9.8	10	20	525	620	596	76	46	21
28....	13	6.6	8.8	9.8	10	24	560	845	530	74	15	21
29....	11	5.2	9.2	9.8	....	32	644	845	470	68	13	21
30....	11	7.0	9.0	9.4	....	35	784	890	445	78	9	21
31....	12	....	9.0	9.0	....	36	....	827	....	66	117	....
Total	314.7	258.8	249.0	281.9	264.6	466.2	9090	15520	16813	5450	1783	988
Mean	10.2	8.63	8.03	9.09	9.45	15.0	303	501	560	176	57.5	32.9
Max.	18	14	9.2	10	11	36	784	890	1090	420	117	84
Min.	7.5	3.9	6.0	8.0	8.4	9.0	35	231	382	66	13	20
Acre-ft.	624	513	494	559	525	925	18030	30780	33350	10810	3540	1960

Total run-off for period=102,100 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Slate River Near Crested Butte, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	21	32	16	12	9.2	9.2	14	64	883	648	105	23
2....	20	32	17	12	9.2	9.4	14	70	865	588	94	20
3....	18	34	16	12	8.4	9.4	15	54	838	570	88	19
4....	18	30	16	12	8.4	9.2	16	51	522	510	86	18
5....	18	30	16	11	*8.4	9.0	18	76	406	450	80	15
6....	17	27	16	12	8.4	8.8	20	134	406	386	80	15
7....	17	24	17	12	8.4	8.6	22	175	528	354	78	15
8....	16	22	17	10	8.4	8.8	25	372	546	308	74	16
9....	16	21	17	9.4	8.4	*9.5	27	243	630	318	74	16
10....	15	24	17	10	8.4	9.6	28	267	847	318	69	16
11....	16	25	15	11	8.4	10	33	330	920	290	62	15
12....	22	25	14	11	8.4	10	50	428	865	244	54	16
13....	19	25	14	*10	8.6	10	56	550	772	215	48	16
14....	18	25	15	9.6	8.6	10	57	685	756	199	45	14
15....	18	26	14	9.4	8.6	10	54	792	740	178	41	16
16....	18	26	14	9.4	8.6	10	52	960	812	156	41	17
17....	18	27	14	9.4	8.8	10	54	784	668	149	38	17
18....	18	26	14	9.4	9.0	11	50	460	660	134	33	16
19....	23	25	14	9.4	9.0	11	45	400	740	134	32	16
20....	23	25	15	9.4	9.0	11	34	416	812	134	32	15
21....	24	26	14	9.6	9.0	11	34	475	856	125	31	15
22....	24	26	14	9.8	9.0	11	30	632	820	116	30	15
23....	22	25	14	10	9.0	11	24	740	732	113	29	14
24....	21	24	14	10	9.0	11	32	860	764	116	28	11
25....	22	23	12	10	9.0	11	33	760	820	116	31	11
26....	25	20	12	9.2	9.0	11	35	600	748	100	29	17
27....	25	17	12	9.0	9.0	11	46	500	668	100	23	17
28....	29	15	12	9.0	9.0	11	48	640	558	105	22	18
29....	34	15	12	9.0	9.0	11	68	960	582	109	24	17
30....	34	15	13	9.2	....	12	58	970	594	111	26	16
31....	33	....	12	9.2	....	13	....	960	....	111	24	....
Total	662	737	449	314.4	253.6	318.5	1092	15408	21358	7505	1551	482
Mean	21.4	24.6	14.5	10.1	8.74	10.3	66.4	497	712	242	50.0	16.1
Max.	34	34	17	12	9.2	13	68	970	920	648	105	23
Min.	15	15	12	9.0	8.4	8.6	14	51	406	100	22	11
Acre-ft.	1310	1460	891	624	503	632	2170	30560	42360	14890	3080	956

Total run-off for period=99,440 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Coal Creek Near Crested Butte, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.7	1.9	....	....	....	....	2.7	86	134	35	3.5	6.0
2....	1.6	2.0	....	....	....	....	2.7	91	144	29	4.4	5.1
3....	1.6	2.0	....	....	....	....	2.7	99	102	28	4.1	4.5
4....	1.6	1.8	....	....	....	*	3.3	90	92	25	3.6	4.0
5....	1.6	1.9	....	....	*	....	4.5	68	85	21	4.1	3.6
6....	1.5	1.9	....	*	....	....	6.0	47	87	17	4.2	3.4
7....	1.5	1.8	....	....	....	....	13	40	99	15	3.8	3.2
8....	1.4	1.9	....	....	....	....	13	39	107	14	3.5	3.1
9....	1.4	1.9	....	....	....	....	11	36	115	12	3.3	3.0
10....	1.4	1.9	....	....	....	....	9.0	36	115	11	3.4	2.9
11....	1.4	1.9	....	....	....	....	8.0	39	109	10	6.6	2.8
12....	1.3	2.2	....	....	....	....	8.2	41	95	9.6	5.4	2.7
13....	2.3	2.2	....	....	....	....	9.0	40	84	8.4	3.7	2.8
14....	2.0	2.2	....	....	....	....	12	38	74	9.6	3.1	2.8
15....	2.0	2.0	1.2	1.0	1.3	1.8	15	37	73	11	2.9	2.5
16....	1.8	1.9	....	....	....	....	20	36	72	8.2	3.2	2.3
17....	1.7	1.7	....	....	....	....	21	36	75	7.3	3.9	2.3
18....	1.6	1.7	....	....	....	....	22	39	69	6.6	6.8	2.3
19....	1.6	1.7	....	....	....	....	29	40	64	6.3	7.9	2.3
20....	1.6	1.7	....	....	....	....	36	47	65	6.0	4.7	2.2
21....	1.6	1.7	....	....	....	....	35	47	69	5.7	4.5	2.1
22....	1.6	1.6	....	....	....	....	34	56	68	5.4	4.5	2.0
23....	1.6	1.5	....	....	....	....	35	73	64	4.9	4.5	2.0
24....	1.5	1.7	....	....	....	....	36	97	55	5.1	5.3	2.0
25....	1.5	1.7	....	....	....	....	38	110	64	4.9	6.8	2.0
26....	1.4	1.5	....	....	....	....	36	103	48	4.5	4.4	2.0
27....	1.8	1.5	....	....	....	....	36	110	40	4.4	3.7	2.1
28....	3.5	1.6	....	....	....	....	46	125	41	4.0	3.3	2.1
29....	1.9	1.5	....	....	....	....	62	115	40	3.9	3.8	2.2
30....	1.7	1.6	....	....	....	....	82	134	39	4.3	13	2.2
31....	1.7	....	....	....	....	....	122	....	....	3.7	9.9	....
Total	52.4	54.1	37.2	31.0	36.4	55.8	688.1	2117	2388	340.8	149.8	84.5
Mean.	1.69	1.80	1.2	1.0	1.3	1.8	22.9	68.3	79.6	11.0	4.83	2.82
Max..	3.5	2.2	....	....	....	....	82	134	144	35	13	6.0
Min..	1.3	1.5	....	....	....	....	2.7	36	39	3.7	2.9	2.0
Acre-ft.	104	107	74	61	72	111	1360	4200	4740	676	297	168

Total run-off for period=11,970 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Coal Creek Near Crested Butte, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	2.2	....	....	....	....	....	....	3.6	126	81	4.1	2.3
2....	2.2	....	....	....	....	....	....	4.3	115	72	3.9	2.3
3....	2.2	....	....	....	....	....	....	3.9	90	68	3.6	2.3
4....	2.2	3.7	....	....	....	....	....	3.8	69	58	3.5	2.3
5....	2.2	....	....	....	....	....	....	4.5	63	53	3.5	2.3
6....	2.2	....	....	....	....	....	....	6.3	74	43	3.5	2.2
7....	2.1	....	....	....	....	....	....	8.8	88	38	3.2	2.2
8....	2.0	....	....	....	....	....	....	13	94	34	3.1	2.2
9....	2.0	....	....	....	....	....	....	21	121	31	3.2	2.2
10....	1.9	....	....	....	....	....	....	27	141	31	3.1	2.1
11....	2.4	....	....	....	....	....	....	28	139	27	2.8	2.1
12....	2.7	....	....	....	....	....	....	30	129	23	2.7	2.1
13....	2.7	....	....	....	....	....	....	39	122	18	2.7	2.1
14....	2.7	....	....	....	....	....	....	51	118	17	2.6	2.1
15....	2.9	....	....	....	....	....	....	62	126	16	2.6	2.6
16....	3.0	....	....	....	....	....	....	72	124	16	2.6	2.2
17....	3.0	....	....	....	....	....	....	58	122	14	2.5	2.2
18....	2.8	....	....	....	....	....	....	35	120	13	2.5	2.2
19....	2.7	....	....	....	....	....	....	32	131	13	2.5	2.1
20....	2.7	....	....	....	....	....	....	34	145	12	2.5	2.0
21....	2.7	....	....	....	....	....	....	39	143	9.9	2.4	2.0
22....	2.7	....	....	....	....	....	....	56	129	9.3	2.4	2.1
23....	2.7	....	....	....	....	....	....	88	124	9.0	2.3	2.0
24....	3.0	....	....	....	....	....	....	102	124	9.6	2.5	1.9
25....	3.0	....	....	....	....	....	....	88	121	11	2.7	2.1
26....	3.1	....	....	....	....	....	....	4.0	80	116	7.7	2.4
27....	3.1	....	....	....	....	....	....	3.9	80	97	6.3	2.4
28....	3.6	....	....	....	....	....	....	3.7	103	87	5.8	2.4
29....	3.5	....	....	....	....	....	....	3.6	131	84	5.4	2.4
30....	3.1	....	....	....	....	....	....	3.6	128	82	4.9	2.4
31....	3.5	....	....	....	....	....	....	131	....	....	4.4	....
Total	82.8	90	108.5	124	116	124	118.8	1563.2	3364	761.3	87.4	64.6
Mean.	2.67	3	3.5	4	4	4	3.96	50.4	112	24.6	2.82	2.15
Max..	3.6	....	....	....	....	....	....	131	145	81	4.1	2.6
Min..	1.9	....	....	....	....	....	....	3.6	63	4.4	2.3	1.9
Acre-ft.	164	179	215	246	230	246	236	3100	6670	1510	173	128

Total run-off for period=13,100 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Cement Creek Near Crested Butte, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	16	....	....	....	....	....	12	81	150	93	30	26
2....	16	....	....	....	....	....	13	86	139	81	30	24
3....	15	....	....	....	....	....	15	97	110	75	30	23
4....	15	....	....	....	....	....	16	95	99	68	28	22
5....	15	....	....	....	....	....	18	86	93	62	28	22
6....	15	....	....	....	....	....	20	90	93	57	29	22
7....	15	....	....	....	....	....	21	72	101	53	29	22
8....	15	....	....	....	....	....	19	72	112	50	31	22
9....	15	....	....	....	....	....	17	64	124	47	31	22
10....	15	....	....	....	....	....	16	62	128	45	31	23
11....	15	....	....	....	....	....	15	64	122	42	35	22
12....	16	....	....	....	....	....	16	64	124	41	32	22
13....	17	....	....	....	....	....	18	65	122	39	28	22
14....	17	....	....	....	....	....	21	62	128	39	27	22
15....	17	13	11	10	11	12	23	59	139	47	26	21
16....	16	....	....	....	....	....	22	56	144	47	28	20
17....	16	....	....	....	....	....	22	53	150	43	28	20
18....	15	....	....	....	....	....	24	53	148	40	31	19
19....	14	....	....	....	....	....	28	52	148	39	34	19
20....	14	....	....	....	....	....	32	57	146	37	28	18
21....	14	....	....	....	....	....	34	60	144	38	27	18
22....	14	....	....	....	....	....	41	74	141	40	28	17
23....	13	....	....	....	....	....	49	79	139	38	28	16
24....	13	....	....	....	....	....	56	95	135	35	31	17
25....	13	....	....	....	....	....	57	106	135	33	36	16
26....	13	....	....	....	....	....	59	99	122	31	27	17
27....	14	....	....	....	....	....	60	124	114	31	25	18
28....	14	....	....	....	....	....	70	130	108	31	24	19
29....	14	....	....	....	....	....	79	124	102	31	23	19
30....	14	....	....	....	....	....	86	128	104	35	36	19
31....	14	....	....	....	....	....	....	112	....	31	34	....
Total	459	390	341	310	308	372	979	2521	3764	1419	913	609
Mean.	14.8	13	11	10	11	12	326	81.3	125	45.8	29.5	20.3
Max..	17	....	....	....	....	....	86	130	150	93	36	26
Min..	13	....	....	....	....	....	12	52	93	31	23	16
Acre-ft.	910	774	676	615	611	738	1940	5000	7470	2810	1810	1210

Total run-off for period=24,560 acre-feet.

Discharge of Cement Creek Near Crested Butte, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	19	17	13	11	10	13	16	19	186	106	33	21
2....	19	16	13	11	10	13	16	18	173	100	32	20
3....	19	15	13	11	10	13	16	18	144	96	31	20
4....	19	19	13	11	10	13	16	19	116	87	30	20
5....	19	18	13	11	10	13	16	20	104	69	30	20
6....	19	17	13	11	10	13	16	24	114	80	30	20
7....	19	16	13	11	*10	13	16	32	144	66	29	20
8....	19	16	13	11	10	13	16	42	140	71	29	20
9....	19	16	13	11	10	*13	16	30	181	68	29	20
10....	19	17	13	11	10	13	16	32	210	68	29	19
11....	19	17	13	11	10	13	16	38	206	64	28	19
12....	19	17	13	11	10	13	16	52	195	60	27	19
13....	18	16	13	*11	10	13	16	61	188	56	26	19
14....	18	16	13	11	10	13	16	68	188	53	26	19
15....	18	16	13	11	10	13	16	80	182	52	26	20
16....	18	16	13	11	10	13	16	98	182	51	26	19
17....	18	16	13	11	10	13	16	87	171	48	25	19
18....	17	15	13	11	10	13	16	69	173	46	25	19
19....	19	15	13	11	10	13	16	61	179	44	26	18
20....	17	15	13	11	10	13	16	64	177	43	26	18
21....	18	15	13	11	10	13	16	69	173	42	26	18
22....	19	15	13	11	10	13	16	98	162	40	24	18
23....	18	15	13	11	10	13	16	140	157	38	24	18
24....	17	15	13	11	10	13	16	142	162	39	24	18
25....	18	15	13	11	10	13	16	135	162	38	25	19
26....	18	14	13	11	10	13	16	124	157	36	23	20
27....	18	13	13	11	10	13	16	122	140	37	23	20
28....	19	12	13	11	10	13	16	151	127	35	22	19
29....	19	13	13	11	10	13	16	171	122	34	22	19
30....	18	13	13	11	....	13	16	184	114	35	22	18
31....	17	....	13	11	....	13	....	201	....	33	22	....
Total	570	466	403	341	290	403	480	2469	4829	1735	820	576
Mean.	18.4	15.5	13	11	10	13	16	79.6	161	56.0	26.5	19.2
Max..	19	19	....	....	....	....	....	201	210	106	33	21
Min..	17	12	....	....	....	....	....	18	104	33	22	18
Acre-ft.	1130	924	799	676	575	799	952	4900	9580	3440	1630	1140

Total run-off for period=26,540 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Ohio Creek Near Baldwin, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	12	17	....	....	....	....	31	628	382	268	75	108
2....	12	17	....	....	....	....	31	638	516	232	87	87
3....	12	17	....	....	....	....	31	628	423	210	89	73
4....	12	17	....	....	....	....	40	645	336	194	73	64
5....	12	18	....	....	....	....	64	603	330	182	87	59
6....	12	21	....	....	....	....	90	498	298	174	89	53
7....	12	20	....	*	....	....	150	459	292	165	68	48
8....	11	20	....	....	....	....	140	356	317	155	71	46
9....	11	20	....	....	....	....	130	298	349	155	75	41
10....	11	21	....	....	....	....	120	277	382	143	68	40
11....	11	21	....	....	....	....	110	280	393	134	150	38
12....	11	20	....	....	....	....	120	286	349	127	116	35
13....	20	20	....	....	....	....	150	286	304	118	77	35
14....	18	20	....	....	....	....	182	262	280	123	61	34
15....	15	20	14	12	13	19	199	241	280	177	59	32
16....	15	21	....	....	....	....	243	221	274	138	64	31
17....	15	20	....	....	....	....	273	205	277	114	61	31
18....	15	18	....	....	....	....	309	207	289	97	123	30
19....	15	18	....	....	....	....	407	197	286	87	167	34
20....	15	18	....	....	....	....	470	210	289	87	110	30
21....	15	18	....	....	....	....	508	224	308	79	87	29
22....	15	17	....	....	....	....	568	221	304	81	97	28
23....	14	17	....	....	....	....	564	256	304	71	89	27
24....	14	18	....	....	....	....	578	286	301	71	114	26
25....	14	18	....	....	....	....	558	314	314	71	165	23
26....	13	16	....	....	....	....	530	317	320	68	110	23
27....	14	17	....	....	....	....	508	295	314	75	89	23
28....	15	18	....	....	....	....	526	336	304	70	77	23
29....	17	17	....	....	....	....	603	362	286	68	73	24
30....	16	18	....	....	....	....	634	379	298	97	134	24
31....	17	....	....	....	....	....	....	382	....	79	167	....
Total	431	558	434	372	364	589	8867	10797	9699	3910	2972	1199
Mean.	13.9	18.6	14	12	13	19	296	348	323	126	95.9	40.0
Max.	20	21	....	....	....	....	634	645	516	268	167	108
Min.	11	16	....	....	....	....	31	197	274	68	59	23
Acre-ft.	855	1110	861	738	722	1170	17590	21420	19240	7760	5890	2380

Total run-off for period=79,740 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Ohio Creek Near Baldwin, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	23	29	19	17	15	17	17	99	645	333	68	27
2....	22	29	19	17	14	17	18	90	586	315	70	26
3....	22	38	20	17	14	17	19	70	547	349	68	25
4....	22	36	22	17	14	17	21	73	446	318	65	24
5....	22	32	23	16	15	16	22	106	368	297	61	22
6....	21	26	23	16	15	16	25	170	352	252	64	22
7....	21	24	23	16	14	16	30	243	404	215	65	21
8....	21	25	22	15	*14	16	38	294	424	208	63	21
9....	21	29	21	15	14	16	50	297	424	215	66	21
10....	21	29	21	15	15	*16	55	282	484	215	68	20
11....	21	30	20	15	14	16	60	358	494	187	63	19
12....	27	29	21	15	14	16	76	442	456	161	57	19
13....	24	28	21	16	14	16	76	526	421	149	53	19
14....	27	27	21	16	14	16	*68	617	400	137	50	19
15....	26	29	20	*17	15	15	62	720	368	140	48	20
16....	25	28	21	17	15	15	58	844	381	137	46	19
17....	25	30	21	17	15	16	56	792	330	126	45	18
18....	21	28	21	17	15	17	56	494	324	115	45	17
19....	25	26	21	17	15	16	54	438	355	122	44	16
20....	24	27	21	17	15	17	54	452	400	124	43	16
21....	24	27	21	17	16	17	52	491	424	111	41	16
22....	25	24	21	17	16	16	52	564	410	102	38	17
23....	25	22	21	17	16	16	54	684	365	99	36	17
24....	23	22	20	17	16	16	60	776	387	109	35	16
25....	24	22	19	17	16	16	63	696	410	115	36	17
26....	24	20	19	16	17	16	76	631	384	101	32	19
27....	24	19	19	15	17	16	80	540	342	87	30	19
28....	27	18	18	15	16	16	158	540	300	80	28	19
29....	30	18	17	16	16	17	92	680	297	74	28	18
30....	29	18	17	15	....	17	86	688	309	74	27	18
31....	29	....	17	15	....	17	....	692	....	72	27	....
Total	745	789	630	502	436	504	1688	14389	12237	5139	1510	587
Mean.	24.0	26.3	20.3	16.2	15.0	16.3	56.3	464	408	166	48.7	19.6
Max.	30	38	23	17	17	17	158	844	645	349	70	27
Min.	21	18	17	15	14	15	17	70	297	72	27	16
Acre-ft.	1480	1560	1250	996	865	1000	3350	28540	24270	10190	3000	1160

Total run-off for period=77,660 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Tomichi Creek at Sargents, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	29	33	26	16	19	20	22	313	240	108	43	43
2....	28	32	27	13	*20	*20	22	316	313	93	45	39
3....	28	32	28	14	19	19	29	329	277	85	51	36
4....	28	31	24	14	19	20	36	368	246	78	45	35
5....	29	32	22	*13	20	21	50	321	222	77	47	35
6....	28	32	22	14	21	20	62	277	199	70	44	34
7....	29	31	21	14	20	21	86	292	190	68	40	33
8....	29	35	22	13	21	21	86	251	194	75	40	33
9....	29	30	21	13	22	22	82	217	197	70	44	32
10....	29	27	22	14	20	22	80	202	222	66	47	32
11....	29	25	21	13	21	22	78	194	308	58	60	31
12....	30	25	20	13	22	22	80	194	230	57	54	32
13....	37	26	19	13	21	21	87	194	197	52	44	34
14....	35	27	19	14	20	21	115	197	182	57	42	36
15....	35	29	20	15	20	21	123	192	173	72	39	34
16....	36	29	20	16	21	20	129	180	167	56	45	33
17....	36	28	19	16	21	20	131	169	162	52	47	33
18....	32	29	19	15	22	21	129	167	165	45	54	33
19....	32	30	20	15	22	20	135	162	165	44	48	32
20....	32	31	19	17	23	21	148	156	156	44	42	31
21....	31	30	18	22	23	20	143	158	152	43	40	30
22....	31	28	19	22	23	20	156	156	145	44	54	31
23....	30	26	20	23	23	21	190	158	139	45	48	32
24....	29	27	21	22	23	22	214	162	131	51	48	32
25....	29	29	22	22	22	23	214	180	125	47	45	31
26....	29	26	21	21	21	24	212	197	115	40	44	31
27....	29	27	20	22	20	24	214	197	115	43	42	32
28....	30	28	18	22	21	24	222	225	109	47	38	31
29....	31	26	17	22	....	24	259	282	119	47	36	31
30....	30	28	18	22	....	24	292	292	169	47	47	31
31....	32	....	18	21	....	23	....	253	....	45	57	....
Total	951	869	643	527	590	664	3826	6951	5524	1826	1420	993
Mean.	30.7	29.0	20.7	17.0	21.1	21.4	128	224	184	58.9	45.8	33.1
Max..	31	33	28	23	23	24	292	368	313	108	60	43
Min..	28	25	17	13	19	19	22	156	109	40	36	30
Acre-ft.	1890	1720	1280	1050	1170	1320	7590	13790	10960	3620	2820	1970

Total run-off for period=49,180 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Tomichi Creek at Sargents, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	32	28	20	18	21	23	27	54	399	116	33	26
2....	32	23	21	18	22	23	27	57	380	108	33	25
3....	32	25	21	17	23	23	28	44	413	103	32	25
4....	31	28	22	17	*24	22	29	44	352	105	31	25
5....	31	25	22	17	24	22	31	60	298	101	31	26
6....	30	20	22	17	24	22	34	96	301	96	32	25
7....	29	19	22	17	24	23	38	120	346	81	32	25
8....	29	19	21	17	24	*24	40	122	315	78	30	24
9....	29	20	21	17	24	25	40	130	366	79	31	24
10....	29	21	21	16	24	25	42	132	410	72	34	24
11....	29	21	21	16	24	25	40	126	396	66	31	26
12....	34	21	22	16	24	25	45	169	360	60	29	26
13....	35	21	22	15	24	25	*49	190	338	55	28	25
14....	35	21	22	*15	24	25	46	212	310	48	28	25
15....	35	21	22	16	24	24	42	245	284	50	28	25
16....	35	20	21	16	24	23	38	293	282	57	28	24
17....	34	20	21	16	24	24	37	301	253	52	28	24
18....	34	20	22	17	24	25	36	229	234	50	29	24
19....	36	20	22	18	24	25	32	214	224	48	33	24
20....	35	21	22	18	24	26	33	229	214	66	32	23
21....	36	21	22	19	24	26	37	232	207	64	32	23
22....	40	22	21	19	24	26	33	263	190	51	29	24
23....	36	22	21	20	24	26	42	329	169	48	28	24
24....	35	22	21	20	24	25	42	366	162	51	30	23
25....	39	20	20	20	25	25	38	394	157	57	34	24
26....	35	20	20	19	25	25	43	360	157	44	28	27
27....	32	19	20	19	25	24	57	312	137	40	27	31
28....	30	19	19	20	25	24	71	307	126	39	26	28
29....	34	19	19	20	25	25	54	352	124	37	26	27
30....	33	19	19	20	....	26	47	382	120	37	26	26
31....	32	....	18	21	....	26	....	408	....	34	26	....
Total	1028	637	650	551	695	757	1198	6772	8024	1993	925	752
Mean.	33.2	21.2	21.0	17.8	24.0	24.4	39.9	218	267	64.3	29.8	25.4
Max..	40	28	22	21	25	26	71	408	413	116	34	31
Min..	29	19	18	15	21	22	27	44	120	34	26	23
Acre-ft.	2040	1260	1290	1090	1380	1500	2380	13430	15920	3950	1830	1490

Total run-off for period=47,560 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Tomichi Creek at Gunnison, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	48	110	90	82	64	94	124	615	525	365	137	250
2....	48	115	96	84	68	94	138	625	545	300	137	223
3....	48	118	98	82	76	*91	170	635	640	246	154	212
4....	48	115	96	74	*67	94	240	660	635	209	212	195
5....	47	112	92	72	74	92	390	728	535	198	202	181
6....	48	110	82	74	68	92	540	718	455	175	202	169
7....	51	112	76	*76	70	98	520	670	405	154	192	157
8....	52	110	84	76	74	94	460	675	380	148	175	148
9....	52	110	86	74	76	96	410	640	400	137	172	142
10....	56	108	88	72	68	104	360	570	435	128	192	140
11....	62	87	80	74	72	108	326	510	580	120	231	140
12....	63	80	78	74	76	110	304	460	670	115	227	137
13....	71	84	82	74	74	110	322	425	655	105	205	131
14....	80	84	84	76	70	110	370	405	540	108	181	137
15....	82	86	84	76	68	102	400	385	455	134	163	140
16....	78	105	84	78	70	98	435	370	415	142	157	134
17....	76	89	86	78	72	88	440	350	390	134	166	126
18....	78	102	86	74	74	90	440	326	380	123	242	134
19....	80	98	86	70	78	92	445	295	390	118	282	123
20....	84	100	82	76	86	82	475	264	400	112	254	110
21....	84	96	82	78	88	80	495	250	395	105	220	100
22....	86	87	84	76	92	80	495	246	395	100	212	95
23....	93	87	88	72	98	80	505	246	380	110	242	93
24....	95	98	88	68	100	82	540	250	360	118	235	86
25....	95	100	88	76	96	82	560	242	345	120	227	80
26....	95	82	84	78	92	86	555	290	331	134	216	80
27....	95	88	78	78	86	88	545	304	308	128	209	82
28....	100	94	84	78	96	94	540	336	290	131	202	80
29....	102	86	86	76	....	110	545	305	286	128	192	82
30....	108	94	86	72	....	136	575	490	331	140	216	82
31....	100	82	82	68	....	134	....	540	....	157	282	....
Total	2305	2947	2650	2336	2193	2991	12664	13825	13251	4642	6336	3989
Mean.	74.4	98.2	85.5	75.4	78.3	96.5	422	446	442	150	204	133
Max..	108	118	98	84	100	136	575	728	670	365	282	250
Min...	47	80	76	68	64	80	124	242	286	100	137	80
Acre-ft.	4570	5850	5260	4630	4350	5930	25120	27420	26280	9210	12570	7910

Total run-off for period=139,100 acre-feet.

*Discharge measurement made on this day.

Discharge of Tomichi Creek at Gunnison, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	76	148	80	62	68	78	88	220	850	340	137	98
2....	73	126	76	62	74	78	90	250	850	326	134	91
3....	74	108	86	62	72	78	94	254	866	331	131	89
4....	73	118	82	62	*70	78	100	192	888	350	123	87
5....	73	151	86	52	74	76	120	178	888	340	120	84
6....	74	160	84	56	74	74	135	231	762	336	126	82
7....	73	100	84	58	74	72	145	375	706	304	134	80
8....	74	78	86	54	74	*72	150	460	723	264	140	78
9....	74	137	86	50	76	74	165	500	740	223	142	74
10....	76	154	84	50	76	75	165	515	745	212	157	70
11....	80	142	82	56	76	78	170	555	784	175	163	63
12....	86	123	76	56	76	82	220	485	800	172	148	59
13....	87	126	78	58	76	86	282	560	784	163	137	59
14....	93	134	80	*58	76	86	239	670	756	145	131	57
15....	112	120	78	62	78	84	181	800	728	140	128	56
16....	108	115	76	62	76	82	172	838	723	145	126	57
17....	110	112	76	64	74	84	154	916	685	140	120	57
18....	108	115	78	62	74	86	151	904	630	131	118	57
19....	115	120	80	62	76	86	151	806	610	131	120	57
20....	123	126	80	64	78	86	163	712	580	157	120	56
21....	115	118	80	64	78	86	151	712	580	188	118	56
22....	115	126	80	68	76	86	145	718	570	172	110	56
23....	115	142	78	70	76	84	142	734	535	154	110	56
24....	120	134	76	72	78	84	142	762	495	154	108	56
25....	110	128	74	70	80	82	160	794	485	205	123	56
26....	110	118	68	66	78	84	163	816	490	195	131	59
27....	115	80	62	64	76	84	175	822	460	175	118	62
28....	115	66	58	66	76	84	309	772	420	169	108	62
29....	134	73	58	68	76	84	425	712	380	160	105	60
30....	172	74	62	68	....	84	272	734	355	154	100	59
31....	163	62	62	66	....	88	....	800	....	151	98	....
Total	3146	3572	2376	1914	2186	2525	5219	18797	19868	6402	3884	1993
Mean.	101	119	76.6	61.7	75.4	81.5	174	606	662	207	125	66.4
Max..	172	160	86	72	80	88	425	916	888	350	163	98
Min...	73	66	58	50	68	72	88	178	355	131	98	56
Acre-ft.	6240	7080	4710	3800	4340	5010	10350	37280	39410	12700	7700	3950

Total run-off for period=142,600 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Quartz Creek Near Ohio, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	24	31	24	23	24	29	27	222	351	136	41	44
2....	25	30	26	23	*28	*28	28	237	400	126	51	40
3....	27	29	24	23	25	26	32	273	342	116	63	39
4....	25	27	25	19	24	28	35	267	316	106	56	38
5....	27	27	25	*20	26	31	38	237	276	98	55	37
6....	27	28	24	22	25	27	47	195	255	93	54	35
7....	27	28	23	21	26	30	51	175	243	87	54	34
8....	27	34	24	20	28	31	49	153	252	85	50	33
9....	27	28	24	21	28	32	44	133	303	85	49	32
10....	26	24	25	22	25	32	42	123	351	84	47	31
11....	24	25	25	21	26	31	39	123	374	80	56	30
12....	24	24	25	21	28	30	40	128	303	76	57	29
13....	28	25	23	22	26	30	47	130	252	73	48	29
14....	27	26	24	22	25	30	57	123	234	76	45	30
15....	27	27	24	22	26	30	70	116	219	78	45	29
16....	27	28	24	22	27	27	78	109	204	69	46	27
17....	27	27	24	22	27	28	73	104	195	64	50	27
18....	29	29	24	21	28	29	74	102	183	56	59	30
19....	30	29	24	20	28	26	82	98	192	44	65	28
20....	29	29	23	22	29	27	98	102	177	45	56	21
21....	29	28	23	29	29	26	104	104	172	45	51	20
22....	29	27	23	29	30	26	126	109	169	51	56	22
23....	29	24	24	29	30	27	146	130	156	50	49	24
24....	28	25	24	27	29	28	153	150	150	60	48	24
25....	28	25	24	25	28	29	156	195	136	54	54	25
26....	27	24	23	23	27	29	161	234	138	48	45	26
27....	27	25	23	27	27	30	164	231	136	51	42	30
28....	28	26	23	27	29	29	172	285	123	54	41	29
29....	28	24	24	27	....	28	195	338	121	50	43	30
30....	26	26	23	27	....	28	225	367	140	49	52	30
31....	27	....	22	26	....	27	....	342	....	45	55	....
Total	840	809	740	725	757	889	2653	5635	6863	2234	1583	903
Mean.	27.1	27.0	23.9	23.4	27.0	28.7	88.4	182	229	72.1	51.1	30.1
Max..	30	34	26	29	30	32	225	367	400	136	65	44
Min..	24	24	22	19	24	26	27	98	121	44	41	20
Acre-ft.	1670	1600	1470	1440	1500	1760	5260	11180	13610	4430	3140	1790

Total run-off for period=48,850 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Quartz Creek Near Ohio, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	27	29	27	23	23	18	21	32	234	91	38	27
2....	24	32	27	23	23	18	23	32	210	93	38	32
3....	21	36	28	22	24	18	24	27	198	100	38	20
4....	23	36	29	22	*24	17	25	27	169	91	38	20
5....	23	31	30	21	24	16	28	31	150	89	38	20
6....	23	29	30	21	24	15	31	44	161	89	37	21
7....	24	28	30	21	24	15	31	49	216	85	38	21
8....	24	27	29	20	24	*14	31	51	198	78	38	22
9....	25	30	28	20	24	16	31	52	246	69	38	22
10....	26	31	28	19	23	17	27	50	249	68	41	21
11....	27	30	28	19	23	17	29	48	204	64	36	21
12....	31	31	28	19	23	17	33	66	172	63	36	22
13....	31	31	28	19	23	17	32	91	169	60	34	22
14....	35	27	28	*19	23	17	27	111	153	57	33	22
15....	36	27	28	20	23	17	29	130	153	57	32	22
16....	35	27	28	21	22	17	27	143	166	57	32	22
17....	35	27	28	21	22	17	27	130	153	54	32	22
18....	33	27	28	21	22	18	27	115	148	51	32	21
19....	36	27	28	21	22	18	25	108	161	54	32	21
20....	34	27	28	21	22	19	25	112	161	62	36	21
21....	29	27	28	22	21	18	24	120	156	56	37	21
22....	31	29	27	23	21	18	24	126	136	52	34	22
23....	32	30	26	23	21	18	24	145	123	50	33	23
24....	29	31	26	23	21	18	27	166	123	51	32	22
25....	31	30	26	23	21	17	26	210	121	50	33	24
26....	32	27	25	22	21	17	27	195	116	46	32	28
27....	31	26	25	22	21	17	31	161	100	41	31	29
28....	32	26	24	23	20	17	32	161	94	40	29	27
29....	37	26	23	23	19	18	32	225	96	39	28	24
30....	35	26	23	23	....	19	30	258	94	40	29	24
31....	33	....	23	23	....	20	....	246	....	40	29	....
Total	925	868	842	663	648	535	830	3162	4830	1937	1064	686
Mean.	29.8	28.9	27.2	21.4	22.3	17.3	27.7	112	161	62.5	34.3	22.9
Max..	37	36	30	23	24	20	33	258	249	100	41	32
Min..	21	26	23	19	19	14	21	27	94	39	28	20
Acre-ft.	1830	1720	1670	1320	1290	1060	1650	6870	9580	3840	2110	1360

Total run-off for period=34,300 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Cochetopa Creek Near Parlin, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	10	29	....	....	....	....	24	50	34	41	35	77
2....	11	31	....	....	....	....	25	50	28	32	35	82
3....	11	29	....	....	*	*	28	49	45	29	40	71
4....	11	29	....	....	....	....	35	52	42	30	36	59
5....	12	25	....	*	....	....	49	64	27	18	36	56
6....	12	26	....	....	....	....	60	53	20	17	38	53
7....	12	25	....	....	....	....	76	60	16	18	35	52
8....	12	26	....	....	....	....	76	59	21	21	35	52
9....	14	25	....	....	....	....	74	57	26	32	55	53
10....	14	23	....	....	....	....	70	49	42	31	57	56
11....	16	23	....	....	....	....	68	45	87	26	75	53
12....	17	22	....	....	....	....	64	40	63	30	66	50
13....	18	23	....	....	....	....	74	34	51	30	52	52
14....	17	24	....	....	....	....	98	34	36	28	45	54
15....	18	25	22	20	21	22	98	32	28	42	42	53
16....	18	25	....	....	....	....	93	31	27	37	45	49
17....	18	24	....	....	....	....	74	28	25	28	73	48
18....	18	25	....	....	....	....	79	28	28	22	104	49
19....	18	25	....	....	....	....	77	26	32	20	96	38
20....	18	25	....	....	....	....	79	22	33	30	69	35
21....	18	24	....	....	....	....	73	21	33	27	58	31
22....	28	22	....	....	....	....	70	21	32	24	88	28
23....	29	21	....	....	....	....	73	20	27	29	101	16
24....	28	23	....	....	....	....	74	20	28	30	73	14
25....	26	22	....	....	....	....	67	11	29	28	60	14
26....	25	21	....	....	....	....	65	11	29	24	66	14
27....	25	22	....	....	....	....	59	18	34	23	79	17
28....	28	22	....	....	....	....	55	21	26	34	61	19
29....	29	21	....	....	....	....	50	24	38	33	80	19
30....	28	22	....	....	....	....	50	39	51	32	93	17
31....	26	....	....	....	....	....	40	....	....	34	99	....
Total	585	729	682	620	588	682	1957	1109	1038	880	1927	1281
Mean...	189	24.3	22	20	21	22	65.2	35.8	34.6	28.4	62.2	42.7
Max...	29	31	....	....	....	....	98	64	87	42	104	82
Min...	10	21	....	....	....	....	24	11	16	17	35	14
Acre-ft.	1160	1450	1350	1230	1170	1350	3880	2200	2060	1750	3820	2540

Total run-off for period=23,960 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Cochetopa Creek Near Parlin, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	18	26	20	18	21	26	36	93	307	128	52	27
2....	19	24	20	18	21	27	38	111	298	124	54	26
3....	20	28	20	17	22	28	42	77	305	122	50	26
4....	20	36	20	17	*23	27	48	57	291	130	44	28
5....	20	48	20	18	23	26	50	64	215	130	48	28
6....	20	39	19	17	23	25	50	146	198	133	51	29
7....	21	37	18	17	23	24	50	240	227	110	49	32
8....	25	25	18	16	22	*23	56	285	266	75	48	28
9....	25	25	18	16	22	24	68	270	244	73	49	27
10....	25	26	18	15	22	25	76	324	250	73	57	18
11....	27	25	19	15	22	26	78	248	268	89	50	13
12....	32	24	19	15	22	27	88	308	268	70	45	12
13....	34	23	19	14	23	28	100	387	242	65	43	12
14....	31	23	19	*14	23	28	73	480	216	61	40	13
15....	31	23	19	15	23	28	48	446	211	59	42	15
16....	32	22	19	16	24	27	51	482	203	60	41	16
17....	30	22	20	16	23	28	42	446	184	57	40	15
18....	29	22	20	17	23	28	42	339	176	56	43	15
19....	23	23	20	18	23	28	48	284	178	55	47	12
20....	33	23	19	18	23	29	54	296	179	77	43	13
21....	25	23	19	19	24	29	48	313	194	63	40	13
22....	26	23	18	19	24	29	48	318	189	54	36	14
23....	33	23	18	20	25	29	42	327	166	49	35	15
24....	28	21	18	20	26	30	49	318	170	67	36	15
25....	34	20	18	20	26	31	60	315	171	69	55	17
26....	34	20	18	19	26	30	58	307	168	60	40	21
27....	36	20	18	20	26	30	106	274	168	55	33	22
28....	36	20	18	20	26	31	280	220	149	54	31	22
29....	40	20	18	20	26	33	227	227	142	56	29	20
30....	37	20	18	20	....	34	89	295	139	62	28	20
31....	30	....	18	20	....	35	....	318	....	56	28	....
Total	887	754	583	544	680	873	2145	8615	6382	2392	1327	584
Mean...	28.6	25.1	18.8	17.5	23.4	28.2	71.5	278	213	77.2	42.8	19.5
Max...	40	48	20	20	26	35	280	482	307	133	57	32
Min...	18	20	18	14	21	23	36	57	139	49	28	12
Acre-ft.	1760	1500	1160	1080	1350	1730	4250	17090	12660	4740	2630	1160

Total run-off for period=51,110 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Beaver Creek at Hierro, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.3	....	....	....	....	....	....	118	135	....	....	....
2....	1.3	....	....	....	....	....	....	116	155	....	....	....
3....	1.3	....	....	....	....	....	....	121	120	....	....	....
4....	1.4	....	....	....	....	....	....	123	93	....	....	....
5....	1.5	....	....	....	....	....	18	87	74	....	....	....
6....	1.6	....	....	....	....	*3.9	....	80	70	....	....	....
7....	1.7	....	....	....	*3.9	....	....	72	68	....	....	....
8....	1.9	....	....	*2.5	....	....	....	64	89	....	....	....
9....	2.0	....	....	....	....	....	....	54	98	....	....	....
10....	2.2	....	....	....	....	....	....	49	111	....	....	....
11....	2.5	....	....	....	....	....	26	48	111	....	....	....
12....	2.4	....	....	....	....	....	28	47	80	....	....	....
13....	2.7	....	....	....	....	....	35	48	80	....	....	....
14....	2.7	....	....	....	....	....	45	45	80	....	....	....
15....	2.7	2.6	2.4	2.8	3.6	4.2	52	42	77	....	....	....
16....	3.1	....	....	....	....	....	47	37	83	....	....	....
17....	3.3	....	....	....	....	....	42	36	100	....	....	....
18....	3.1	....	....	....	....	....	41	35	103	....	....	....
19....	3.1	....	....	....	....	....	48	29	101	....	....	....
20....	3.4	....	....	....	....	....	59	28	113	....	....	....
21....	3.1	....	....	....	....	....	63	36	126	....	....	....
22....	3.3	....	....	....	....	....	75	36	129	....	....	....
23....	3.1	....	....	....	....	....	81	40	131	....	....	....
24....	3.1	....	....	....	....	....	86	54	133	....	....	....
25....	3.3	....	....	....	....	....	86	77	137	....	....	....
26....	2.5	....	....	....	....	....	84	83	132	....	....	....
27....	1.4	....	....	....	....	....	78	92	114	....	....	....
28....	1.8	....	....	....	....	....	81	125	116	....	....	....
29....	1.9	....	....	....	....	....	96	129	106	....	....	....
30....	1.6	....	....	....	....	....	118	126	94	....	....	....
31....	1.4	....	....	....	....	....	....	119	....	....	....	....
Total	71.7	78.0	74.4	86.8	100.8	130.2	1451	2196	3161	....	....	....
Mean.	2.31	2.6	2.4	2.8	3.6	4.2	48.4	70.8	105	....	....	....
Max..	3.4	....	....	....	....	....	118	129	155	....	....	....
Min..	1.3	....	....	....	....	....	....	28	68	....	....	....
Acre-ft.	142	155	148	172	200	258	2880	4360	6270	....	....	....

Total run-off for period=14,580 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Steuben Creek at Elkhorn, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.2	3.2	....	....	*....	*....	11	57	74	....	....	....
2....	0.3	3.1	....	....	....	....	12	57	77	....	....	....
3....	0.4	3.1	....	....	....	....	14	58	59	....	....	....
4....	0.6	3.1	....	*	....	....	15	60	45	....	....	....
5....	0.5	3.4	....	....	....	....	18	52	37	....	....	....
6....	0.3	4.0	....	....	....	....	24	51	38	....	....	....
7....	0.2	3.4	....	....	....	....	27	44	39	....	....	....
8....	0.2	2.4	....	....	....	....	21	39	48	....	....	....
9....	0.2	2.3	....	....	....	....	16	36	51	....	....	....
10....	0.2	2.3	....	....	....	....	14	32	61	....	....	....
11....	0.4	1.9	....	....	....	....	12	28	59	....	....	....
12....	0.6	1.9	....	....	....	....	15	29	51	....	....	....
13....	0.6	2.0	....	....	....	....	20	29	45	....	....	....
14....	0.6	2.1	....	....	....	....	26	26	39	....	....	....
15....	0.5	2.2	1.4	1.3	2.0	2.8	29	24	38	....	....	....
16....	0.4	2.4	....	....	....	....	27	21	40	....	....	....
17....	0.6	2.4	....	....	....	....	26	20	47	....	....	....
18....	0.4	2.1	....	....	....	....	28	21	47	....	....	....
19....	0.3	1.8	....	....	....	....	31	20	47	....	....	....
20....	0.2	2.8	....	....	....	....	37	21	54	....	....	....
21....	0.2	2.4	....	....	....	....	38	21	60	....	....	....
22....	0.2	2.1	....	....	....	....	40	19	57	....	....	....
23....	0.2	2.3	....	....	....	....	47	28	56	....	....	....
24....	0.2	2.4	....	....	....	....	45	35	54	....	....	....
25....	0.2	2.5	....	....	....	....	47	44	59	....	....	....
26....	0.3	1.9	....	....	....	....	44	50	54	....	....	....
27....	0.2	2.2	....	....	....	....	42	47	44	....	....	....
28....	0.3	2.3	....	....	....	....	45	64	42	....	....	....
29....	0.4	1.9	....	....	....	....	53	67	34	....	....	....
30....	0.5	2.1	....	....	....	....	56	72	30	....	....	....
31....	1.8	....	....	....	....	....	....	68	....	....	....	....
Total	12.2	74.1	43.4	40.3	56.0	86.8	880	1240	1486	....	....	....
Mean.	.39	2.47	1.4	1.3	2.0	2.8	29.3	40.0	49.5	....	....	....
Max..	1.8	4.0	....	....	....	....	56	72	77	....	....	....
Min..	0.2	1.8	....	....	....	....	11	19	30	....	....	....
Acre-ft.	24	147	86	80	111	172	1750	2460	2950	....	....	....

Total run-off for period=7,780 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Cebolla Creek at Powderhorn, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	60	53	46	.....	.....	.....	58	248	139	93	81	178
2.....	60	60	53	.....	.....	.....	64	271	226	83	101	178
3.....	54	58	53	.....	.....	.....	72	288	208	78	101	158
4.....	53	54	51	.....	.....	.....	80	323	154	70	93	143
5.....	54	48	46	.....	.....	.....	90	288	126	63	107	129
6.....	56	56	38	.....	.....	.....	100	239	107	58	101	122
7.....	56	49	.....	.....	.....	.....	112	253	98	56	98	119
8.....	60	49	.....	.....	.....	.....	114	244	98	54	112	112
9.....	60	56	.....	.....	.....	.....	100	217	115	49	115	112
10.....	60	43	.....	.....	.....	.....	94	199	129	43	115	112
11.....	60	43	.....	.....	.....	.....	88	174	162	42	190	107
12.....	61	45	.....	.....	.....	.....	90	166	136	40	178	107
13.....	74	47	.....	.....	.....	.....	104	170	119	36	112	115
14.....	67	49	.....	.....	.....	.....	126	166	107	45	122	115
15.....	65	50	38	30	38	38	143	158	96	78	109	109
16.....	65	48	.....	.....	.....	.....	143	139	93	61	143	104
17.....	65	45	.....	.....	.....	.....	139	115	85	49	154	107
18.....	63	51	40	.....	.....	.....	150	107	88	49	204	101
19.....	61	47	.....	.....	.....	.....	186	109	93	51	186	96
20.....	61	46	.....	.....	.....	.....	217	122	88	53	150	93
21.....	61	41	.....	.....	.....	.....	199	122	81	54	143	88
22.....	61	40	.....	.....	.....	.....	204	115	78	53	190	85
23.....	60	41	.....	.....	.....	.....	221	109	78	54	170	83
24.....	58	46	.....	.....	.....	.....	226	126	81	56	154	81
25.....	56	48	.....	.....	.....	.....	208	136	90	51	154	78
26.....	53	45	.....	.....	.....	.....	208	136	85	46	154	81
27.....	51	44	.....	.....	.....	.....	190	115	90	46	195	96
28.....	53	48	.....	.....	.....	.....	182	122	88	63	150	98
29.....	56	46	.....	.....	.....	.....	195	230	96	63	174	85
30.....	53	46	.....	.....	.....	.....	217	212	107	63	195	83
31.....	53	.....	.....	.....	.....	.....	.....	162	.....	67	204	.....
Total	1830	1442	1287	1176	840	1178	4320	5581	3341	1767	4455	3275
Mean.	59.0	48.1	41.5	38	30	38	144	180	111	57.0	144	109
Max..	74	60	.....	.....	.....	.....	226	323	226	93	204	178
Min..	51	40	.....	.....	.....	.....	58	107	78	36	81	78
Acre-ft.	3630	2860	2550	2340	1670	2340	8570	11070	6630	3500	8840	6500

Total run-off for period=60,500 acre-feet.

Discharge of Cebolla Creek at Powderhorn, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	81	61	.....	.....	.....	.....	.....	122	940	244	99	76
2.....	81	56	.....	.....	.....	.....	.....	146	970	236	99	74
3.....	78	65	.....	.....	.....	.....	.....	115	850	232	92	74
4.....	78	72	.....	.....	.....	.....	.....	101	602	217	94	72
5.....	76	74	.....	.....	.....	.....	.....	146	488	213	99	72
6.....	76	61	.....	.....	.....	.....	.....	335	563	202	102	61
7.....	74	42	.....	.....	.....	.....	.....	560	767	195	108	52
8.....	72	40	.....	.....	.....	.....	.....	584	659	170	105	56
9.....	72	43	.....	.....	.....	.....	Apr. 11	739	870	166	120	58
10.....	74	50	.....	.....	.....	.....	to 30	840	920	166	126	61
11.....	76	57	.....	.....	.....	.....	186	840	840	166	108	61
12.....	80	54	.....	.....	.....	.....	154	1050	731	159	102	61
13.....	70	53	.....	.....	.....	.....	112	1040	602	156	102	61
14.....	68	53	.....	.....	.....	.....	65	1310	594	149	99	61
15.....	68	51	.....	.....	.....	.....	60	1350	634	146	94	65
16.....	68	51	.....	.....	.....	.....	61	1520	578	149	92	69
17.....	70	56	.....	.....	.....	.....	60	1080	470	146	97	74
18.....	72	65	.....	.....	.....	.....	65	602	470	139	102	72
19.....	77	58	.....	.....	.....	.....	76	594	482	142	102	67
20.....	66	56	.....	.....	.....	.....	74	618	494	163	102	65
21.....	67	53	.....	.....	.....	.....	61	626	488	149	99	52
22.....	74	60	.....	.....	.....	.....	60	686	440	142	102	51
23.....	67	56	.....	.....	.....	.....	58	821	380	142	99	51
24.....	61	45	.....	.....	.....	.....	67	960	392	152	97	51
25.....	70	51	.....	.....	.....	.....	78	1040	375	152	94	56
26.....	70	42	.....	.....	.....	.....	72	850	370	135	92	67
27.....	67	26	.....	.....	.....	.....	178	677	335	126	89	72
28.....	70	32	.....	.....	.....	.....	288	578	295	117	86	67
29.....	85	39	.....	.....	.....	.....	146	704	272	111	81	67
30.....	78	38	.....	.....	.....	.....	126	930	256	105	79	67
31.....	70	.....	.....	.....	.....	.....	.....	1000	.....	105	76	.....
Total	2256	1560	.....	.....	.....	.....	2047	22564	17127	4992	3038	1913
Mean.	72.8	52.0	.....	.....	.....	.....	102	728	571	161	98.0	63.8
Max..	85	74	.....	.....	.....	.....	288	1520	970	244	126	76
Min..	61	44	.....	.....	.....	.....	58	101	256	105	76	51
Acre-ft.	4470	3090	.....	.....	.....	.....	4060	44760	33970	9900	6030	3790

Total run-off for period=110,070 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Lake Fork at Gateview, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	85	76	70	....	....	....	....	735	848	824	392	491
2....	85	71	70	....	....	....	....	755	1240	750	378	430
3....	82	76	69	....	....	....	....	790	976	685	352	370
4....	82	77	69	....	....	....	....	806	740	640	334	320
5....	75	77	68	....	....	....	Apr. 7	680	655	600	347	290
6....	86	69	68	....	....	....	to 30	565	615	575	334	280
7....	89	75	68	....	....	....	198	515	640	545	347	265
8....	78	73	69	....	....	....	174	455	740	520	338	256
9....	77	70	68	....	....	....	159	396	941	500	352	255
10....	69	75	Dec. 1	....	....	....	148	365	1120	491	316	255
11....	92	70	to 9	....	....	....	128	360	1120	464	545	240
12....	89	71	....	....	....	....	125	365	990	428	541	240
13....	84	73	....	....	....	....	125	365	836	410	401	240
14....	78	73	....	....	....	....	142	351	710	406	455	230
15....	76	75	....	....	....	....	174	329	685	486	414	215
16....	76	75	....	....	....	....	207	312	720	460	419	205
17....	82	73	....	....	....	....	207	292	836	414	406	205
18....	78	73	....	....	....	....	210	292	983	374	450	195
19....	73	71	....	....	....	....	234	292	1000	347	473	180
20....	81	71	....	....	....	....	296	300	1060	329	455	165
21....	80	70	....	....	....	....	296	334	1190	329	419	150
22....	76	70	....	....	....	....	292	338	1200	320	406	138
23....	75	76	....	....	....	....	378	347	1160	308	370	138
24....	75	70	....	....	....	....	450	428	1050	296	347	138
25....	73	68	....	....	....	....	464	560	1080	300	347	132
26....	69	69	....	....	....	....	473	680	1100	288	338	130
27....	81	74	....	....	....	....	460	615	976	284	360	150
28....	73	71	....	....	....	....	473	715	976	288	338	145
29....	71	70	....	....	....	....	525	908	927	296	347	135
30....	76	70	....	....	....	....	620	812	830	280	410	125
31....	75	....	....	....	....	....	....	848	....	334	515	....
Total	2441	2172	619	....	....	....	6950	15905	27944	13571	12246	6708
Mean.	78.7	72.4	68.8	....	....	....	290	513	931	438	395	224
Max.	92	77	70	....	....	....	620	908	1240	824	545	491
Min.	69	68	68	....	....	....	125	292	615	280	316	125
Acre-ft.	4840	4310	1230	....	....	....	13790	31550	55430	26920	24290	13310

Total run-off for period=175,670 acre-feet.

Discharge of Lake Fork at Gateview, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	122	98	76	....	....	....	....	148	1800	1510	383	150
2....	115	94	87	....	....	....	....	152	1730	1540	363	138
3....	112	84	82	....	....	....	....	142	1520	1480	347	142
4....	108	96	77	....	....	....	....	135	1200	1410	351	125
5....	*102	104	84	....	....	....	....	164	959	1400	359	125
6....	98	100	92	....	....	....	....	241	1000	1350	395	113
7....	93	89	87	....	....	....	....	347	1280	1240	420	111
8....	93	85	Dec. 1	....	....	....	....	367	1240	1120	403	106
9....	94	92	to 7	....	....	....	Apr. 11	415	1450	1120	347	104
10....	95	94	....	....	....	....	to 30	438	1680	1050	315	96
11....	100	90	....	....	....	....	152	451	1770	973	291	94
12....	103	90	....	....	....	....	179	546	1720	833	271	92
13....	100	90	....	....	....	....	158	710	1570	752	255	94
14....	95	90	....	....	....	....	125	988	1720	674	241	92
15....	93	87	....	....	....	....	108	1290	1690	692	234	92
16....	93	86	....	....	....	....	108	1560	1620	671	224	94
17....	94	86	....	....	....	....	98	1410	1330	640	216	88
18....	100	89	....	....	....	....	104	973	1320	625	216	90
19....	104	89	....	....	....	....	106	826	1520	600	216	86
20....	95	89	....	....	....	....	108	868	1710	560	202	86
21....	96	87	....	....	....	....	102	996	1840	620	188	86
22....	104	90	....	....	....	....	98	1120	1840	565	182	84
23....	97	93	....	....	....	....	98	1320	1720	528	176	84
24....	94	90	....	....	....	....	113	1460	1920	514	176	81
25....	90	87	....	....	....	....	118	1480	1920	500	192	84
26....	110	87	....	....	....	....	123	1480	1860	487	192	86
27....	113	76	....	....	....	....	179	1280	1790	460	192	88
28....	99	77	....	....	....	....	210	1180	1660	446	192	90
29....	107	80	....	....	....	....	164	1520	1600	428	185	92
30....	119	78	....	....	....	....	150	1840	1600	420	179	94
31....	100	....	....	....	....	....	....	1870	....	403	167	....
Total	3138	2667	585	....	....	....	2601	27717	47579	25614	8070	2987
Mean.	101	88.9	83.6	....	....	....	130	894	1586	826	260	996
Max.	122	104	92	....	....	....	210	1870	1920	1540	420	150
Min.	90	76	76	....	....	....	98	135	959	403	167	81
Acre-ft.	6220	5290	1160	....	....	....	5160	54980	94370	50800	16010	5920

Total run-off for period=239,910 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Cimarron Creek at Cimarron, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....							130	433	514	342	29	178
2....							172	385	1010	296	71	190
3....							260	463	636	263	75	164
4....							172	475	517	219	53	150
5....							239	406	445	162	63	81
6....							260	345	379	197	60	59
7....							225	388	388	148	80	48
8....							154	223	391	136	70	46
9....							120	244	545	137	69	51
10....							102	241	600	125	62	43
11....							80	253	612	114	83	36
12....							85	275	486	86	75	33
13....							146	253	460	88	69	30
14....							180	244	376	87	61	30
15....							172	227	342	172	49	28
16....							170	197	350	114	67	26
17....							164	170	394	75	76	20
18....							172	178	475	56	162	20
19....							194	162	424	47	236	19
20....							225	164	439	56	137	18
21....							219	190	496	77	100	17
22....							236	166	500	63	223	18
23....							265	172	580	50	201	15
24....							301	241	517	50	184	15
25....							299	391	592	47	197	14
26....							280	430	632	35	129	14
27....							270	348	503	31	154	14
28....							270	463	486	26	132	35
29....							320	624	418	32	137	22
30....						168	352	628	424	35	308	42
31....						148		660		32	265	
Total							6234	10039	14931	3398	3677	1476
Mean							208	324	498	110	119	49.2
Max.							352	660	1010	342	308	190
Min.							80	162	342	26	29	14
Acre-ft.							12360	19910	29620	6740	7290	2930

Total run-off for period=78,850 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Cimarron Creek Below Squaw Creek at Cimarron, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	62	37	41	41	36	32	64	153	825	481	41	18
2....	61	31	44	41	35	33	72	149	775	511	37	16
3....	60	37	43	41	*32	34	91	107	721	472	33	16
4....	57	39	43	41	33	34	110	94	518	427	28	15
5....	57	44	43	40	34	33	141	133	430	472	30	15
6....	53	37	45	41	33	33	141	222	475	414	30	16
7....	52	26	46	42	32	*32	137	302	584	388	27	16
8....	54	37	48	41	33	30	125	304	568	330	25	16
9....	44	51	47	38	34	31	118	342	726	333	27	16
10....	18	46	46	38	35	33	103	396	900	318	27	15
11....	19	38	45	*42	33	34	125	401	960	299	27	14
12....	30	43	44	42	32	35	141	475	875	266	27	15
13....	26	60	46	37	32	35	112	640	716	235	22	15
14....	26	72	46	36	33	35	76	745	760	207	20	14
15....	28	61	45	37	33	34	73	850	840	169	21	16
16....	30	58	44	38	33	33	72	1000	780	231	22	16
17....	32	58	43	40	33	34	67	830	608	235	22	16
18....	38	64	44	41	33	35	67	542	658	215	22	15
19....	48	60	45	41	33	34	74	466	721	205	24	15
20....	46	61	46	40	31	34	67	490	800	199	23	16
21....	42	54	46	39	32	35	63	560	850	147	22	16
22....	37	64	46	38	32	30	56	584	830	114	22	16
23....	37	64	46	38	32	34	58	694	760	101	21	16
24....	33	61	46	37	32	36	73	770	840	124	21	16
25....	37	61	45	36	33	35	74	632	820	116	24	22
26....	38	48	44	34	33	34	82	608	810	81	22	27
27....	37	33	41	34	33	35	114	532	712	64	20	33
28....	39	36	38	33	31	33	211	484	592	56	20	30
29....	43	38	40	33	31	34	161	644	560	50	19	31
30....	43	40	42	33	....	48	193	830	542	47	20	30
31....	37	....	40	35	....	68	....	860	....	43	20	....
Total	1264	1459	1368	1188	952	1090	3061	15839	21556	7350	766	548
Mean	40.8	48.6	44.1	38.3	32.8	35.2	102	511	719	237	24.7	18.3
Max.	62	72	48	42	36	68	211	1000	960	511	41	33
Min.	18	26	38	33	31	30	56	94	430	43	19	14
Acre-ft.	2510	2890	2710	2360	1890	2160	6070	31420	42760	14580	1520	1090

Total run-off for period=112,000 acre-feet.

* Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Smith Fork Near Crawford, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	6.5	7.5	7.8	6.4	6.0	12	39	279	157	68	17	20
2....	6.5	8.0	7.2	7.0	6.2	11	47	258	189	57	18	20
3....	6.5	8.0	7.0	6.6	6.6	9.6	74	265	148	52	18	22
4....	6.8	8.0	7.0	6.2	7.8	12	81	296	123	51	18	20
5....	6.8	7.8	6.8	5.8	6.8	9.4	90	294	125	50	18	18
6....	6.8	8.5	6.6	6.0	7.2	8.2	95	240	127	50	17	18
7....	6.5	8.2	6.4	6.4	8.2	11	106	218	130	47	17	17
8....	6.5	8.0	8.0	6.2	8.4	10	81	183	140	46	17	16
9....	6.5	8.0	7.8	5.8	8.2	11	52	153	151	45	16	16
10....	6.5	7.2	8.0	5.8	8.4	13	43	126	157	46	17	17
11....	6.5	6.5	7.4	6.0	*8.5	13	42	123	164	46	23	16
12....	6.8	6.8	6.2	5.6	8.4	11	42	127	144	42	18	16
13....	8.2	7.0	6.4	*5.2	8.2	12	47	130	120	37	18	16
14....	8.2	7.2	6.8	5.4	8.4	15	70	115	104	36	18	17
15....	7.5	7.2	7.0	5.4	9.2	14	99	88	95	34	17	14
16....	7.5	7.8	7.2	5.6	9.8	12	109	75	92	32	18	12
17....	7.2	7.8	7.2	5.8	10	10	127	62	88	32	18	12
18....	7.2	7.8	7.6	6.2	11	9.6	133	57	90	32	20	11
19....	7.0	7.8	7.2	6.4	12	8.8	156	54	87	27	23	11
20....	7.0	8.0	7.0	6.0	13	11	196	58	85	25	22	11
21....	6.8	7.8	7.0	6.0	14	9.0	209	71	95	25	20	10
22....	6.8	7.2	7.6	6.4	14	9.6	213	67	91	24	22	10
23....	6.8	7.8	7.0	6.8	15	12	224	75	88	22	20	10
24....	6.8	7.2	7.0	6.6	15	14	234	95	84	23	20	9.7
25....	6.8	7.2	7.0	6.4	13	16	229	132	81	24	20	9.4
26....	6.8	6.6	6.8	6.0	12	20	211	137	80	24	20	10
27....	6.8	7.5	6.6	6.2	11	25	207	132	78	20	19	12
28....	6.8	7.2	6.4	6.6	13	30	207	153	83	18	19	14
29....	8.0	6.8	7.0	6.8	....	39	243	165	83	18	20	11
30....	7.5	7.2	6.4	6.6	....	46	278	167	79	18	22	11
31....	7.2	....	6.6	6.2	....	40	....	164	....	18	21	....
Total	216.1	225.6	218.0	190.4	279.3	484.2	3984	4559	3358	1059	591	427.1
Mean	6.97	7.52	7.03	6.14	9.98	15.6	133	147	112	35.1	19.1	14.2
Max.	8.2	8.5	8.0	7.0	15	46	278	296	189	68	23	22
Min.	6.5	6.5	6.2	5.2	6.0	8.2	39	54	78	18	16	9.4
Acre-ft.	429	447	432	378	554	960	7900	9040	6660	2160	1170	847

Total run-off for period=30,980 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Smith Fork Near Crawford, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	11	13	8.4	7.0	7.2	7.6	10	43	294	86	....	....
2....	11	11	8.0	7.0	7.2	7.6	10	52	270	78	....	....
3....	11	11	7.6	7.2	7.2	7.6	12	32	256	73	....	....
4....	11	11	7.8	7.2	7.2	7.8	13	33	212	69	....	....
5....	10	12	8.0	6.8	7.2	7.8	15	54	190	67	....	....
6....	10	11	8.0	6.8	7.0	7.4	17	119	222	59	....	....
7....	10	11	8.0	7.0	7.0	7.4	19	171	264	54	....	....
8....	11	9.0	8.0	7.0	7.0	7.8	21	230	248	55	....	....
9....	11	10	8.0	7.0	7.0	8.2	23	272	262	55	....	....
10....	10	10	7.8	7.0	7.0	8.4	22	306	300	57	....	....
11....	11	10	7.4	7.2	6.8	8.6	25	359	290	55	....	....
12....	12	10	7.6	7.0	6.6	8.6	30	380	268	48	....	....
13....	12	10	7.8	7.0	6.8	8.8	35	420	256	45	....	....
14....	12	10	8.0	7.4	7.2	9.0	31	411	260	44	....	....
15....	12	9.7	7.6	7.8	7.2	9.6	27	423	232	....	....	....
16....	12	9.7	7.4	8.0	7.2	9.6	25	456	220	....	....	....
17....	12	9.7	7.6	7.8	7.2	9.6	24	382	202	....	....	....
18....	12	10	7.8	7.6	7.2	9.8	23	278	182	....	....	....
19....	14	9.7	8.0	7.4	7.2	9.8	23	216	190	....	....	....
20....	13	9.7	8.0	*7.4	7.2	9.8	23	202	204	....	....	....
21....	13	9.7	8.0	7.6	7.2	9.8	20	228	188	....	....	....
22....	13	9.7	8.0	7.8	7.2	9.8	20	292	164	....	....	....
23....	13	9.7	8.0	7.6	7.2	9.8	20	324	143	....	....	....
24....	12	9.7	7.8	7.4	*7.4	9.8	23	366	137	....	....	....
25....	12	9.4	7.8	7.2	7.4	9.5	25	322	134	....	....	....
26....	12	8.8	7.6	7.0	7.2	9.2	26	278	130	....	....	....
27....	12	7.8	7.6	7.0	7.2	9.2	34	264	118	....	....	....
28....	12	8.0	7.6	7.2	7.2	9.2	39	274	108	....	....	....
29....	13	8.0	7.2	7.2	7.2	9.0	32	330	102	....	....	....
30....	14	7.8	7.4	7.0	....	9.0	37	335	94	....	....	....
31....	13	....	7.4	7.0	....	9.2	....	322	....	July 1 to 14	....	....
Total	367	296.1	241.2	224.6	206.8	274.3	704	8174	6140	845	....	....
Mean	11.8	9.87	7.78	7.25	7.13	8.85	23.5	264	205	60.4	....	....
Max.	14	13	8.4	8.0	7.4	9.8	39	456	300	86	....	....
Min.	10	7.8	7.2	6.8	6.6	7.4	10	32	94	44	....	....
Acre-ft.	728	587	478	445	410	544	1400	16210	12180	1680	....	....

Total run-off for period=34,660 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of East Muddy Creek Near Bardine, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	15	18	17	12	8.4	18	105	468	159	75	34	63
2....	15	18	17	12	8.8	16	108	427	327	68	39	52
3....	15	18	15	12	9.2	14	124	427	247	63	41	45
4....	15	18	14	10	9.4	16	136	496	216	61	34	41
5....	15	16	13	11	9.2	15	139	489	204	54	32	39
6....	16	16	12	11	9.8	14	159	388	184	50	50	36
7....	15	16	13	9.6	10	17	176	345	173	43	47	34
8....	15	15	14	8.6	10	17	152	290	176	43	43	32
9....	15	15	13	9.4	10	18	110	247	184	41	38	30
10....	15	14	13	10	10	20	95	229	196	39	34	32
11....	15	13	12	9.8	11	*21	80	229	192	36	30	30
12....	15	13	13	9.0	10	20	78	229	184	36	27	29
13....	17	13	13	8.6	10	21	95	234	159	34	25	29
14....	18	14	14	*8.7	11	23	136	208	139	34	22	30
15....	17	14	14	9.2	11	22	180	192	124	41	20	29
16....	16	16	14	9.2	12	21	192	170	112	39	18	25
17....	16	15	14	8.4	14	20	170	148	110	32	17	25
18....	16	16	15	7.8	15	20	173	145	112	30	32	27
19....	15	15	15	8.0	16	19	220	136	115	30	173	27
20....	15	15	15	9.0	17	23	260	126	118	30	85	25
21....	15	15	15	9.6	18	21	295	152	118	29	61	24
22....	15	12	15	11	19	24	327	139	110	30	63	23
23....	15	13	14	10	20	24	351	139	110	30	61	22
24....	15	15	14	9.2	19	32	357	139	100	27	58	22
25....	16	15	14	8.4	18	37	363	156	102	27	80	21
26....	15	13	14	8.0	16	41	375	173	92	25	58	21
27....	15	14	13	8.8	18	56	351	156	100	25	47	21
28....	15	16	12	9.4	18	68	351	162	85	23	41	22
29....	18	15	13	9.2	....	90	408	192	78	24	54	21
30....	18	16	13	9.0	....	124	447	204	85	34	127	20
31....	19	....	13	8.8	....	110	....	184	....	34	102	....
Total	487	452	430	294.7	367.8	1002	6513	7429	4411	1187	1593	897
Mean.	15.7	15.1	13.9	9.51	13.1	32.3	217	240	147	38.3	51.4	29.9
Max..	19	18	17	12	20	124	447	496	327	75	173	63
Min..	15	13	12	7.8	8.4	14	78	136	78	23	17	20
Acre-ft.	966	897	853	585	730	1990	12920	14740	8750	2350	3160	1780

Total run-off for period=49,720 acre-feet.

*Winter discharge measurement made on this day.

Discharge of East Muddy Creek Near Bardine, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	19	23	15	14	13	17	75	590	844	203	36	21
2....	19	24	15	14	13	17	75	590	788	192	34	21
3....	19	27	15	14	13	17	75	590	772	203	30	21
4....	19	27	15	14	13	17	75	590	613	182	30	19
5....	19	24	15	14	13	17	75	590	515	172	28	19
6....	18	23	15	14	13	17	75	590	468	152	28	18
7....	18	22	15	14	13	17	75	590	515	137	26	18
8....	18	20	15	14	13	17	75	590	515	123	24	17
9....	18	28	15	14	13	17	75	590	599	118	24	16
10....	18	36	15	14	13	17	75	590	676	115	23	16
11....	21	35	15	14	13	17	75	590	652	105	23	16
12....	22	32	15	14	13	17	75	590	578	92	22	16
13....	20	30	15	14	13	17	75	590	480	86	21	16
14....	19	30	15	14	13	17	75	590	487	77	21	15
15....	19	30	15	14	13	17	75	590	462	75	21	15
16....	18	32	15	14	13	17	75	1230	462	72	21	15
17....	18	30	15	14	13	17	75	1120	396	66	19	15
18....	18	24	15	14	13	17	75	828	360	60	21	14
19....	20	25	15	14	13	17	75	700	354	62	23	14
20....	20	23	15	14	13	17	75	748	372	66	24	14
21....	19	27	15	*14	13	17	75	844	372	62	23	14
22....	19	23	15	14	13	17	75	1060	348	56	23	13
23....	19	24	15	14	13	17	75	1170	300	50	22	13
24....	18	25	15	14	13	17	75	1160	300	52	23	13
25....	18	23	15	14	13	17	75	1070	318	56	27	13
26....	18	15	15	14	13	17	75	996	312	54	24	13
27....	18	10	15	14	13	17	75	940	275	46	23	13
28....	19	13	15	14	13	17	75	940	226	45	22	12
29....	22	14	15	14	13	17	75	956	210	43	21	12
30....	24	13	15	14	....	17	75	956	210	46	21	12
31....	24	....	15	14	....	17	....	876	....	38	21	....
Total	598	732	465	434	377	527	2250	24444	13779	2906	749	464
Mean.	19.3	24.4	15	14	13	17	75	789	459	93.7	24.2	15.5
Max..	24	36	....	....	....	....	....	1230	844	203	36	21
Min..	18	10	....	....	....	....	....	....	210	38	19	12
Acre-ft.	1190	1450	922	861	748	1050	4460	48480	27330	5760	1490	920

Total run-off for period=94,660 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of North Fork of Gunnison River Near Somerset, Colo., for Year Ending
Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	65	68	62	60	50	89	363	2430	1490	760	160	274
2....	63	68	66	62	54	84	425	2240	2400	643	185	227
3....	63	66	58	58	57	66	550	2430	1820	574	195	195
4....	63	69	56	56	61	89	615	2510	1470	532	166	179
5....	63	62	54	50	56	77	698	2570	1350	490	169	163
6....	63	69	51	53	60	56	856	2160	1230	455	172	152
7....	65	69	49	58	62	86	960	2110	1260	415	179	144
8....	65	66	54	53	62	74	811	1710	1410	400	188	138
9....	65	69	62	53	58	80	550	1460	1530	372	160	133
10....	65	57	60	52	60	107	460	1330	1560	348	146	130
11....	65	52	54	54	61	107	372	1300	1520	321	188	122
12....	66	53	48	51	58	89	368	1290	1390	308	195	117
13....	77	60	54	49	57	100	470	1300	1240	287	163	112
14....	80	65	62	48	58	112	757	1180	1100	270	135	115
15....	74	71	63	48	58	109	1000	1090	1050	282	125	108
16....	72	76	63	46	69	91	1080	961	1030	270	125	112
17....	69	66	65	40	74	91	1110	856	1090	238	152	120
18....	68	74	66	36	80	84	1250	824	1130	220	303	120
19....	68	69	63	33	82	68	1500	816	1090	205	430	120
20....	79	72	65	44	86	82	1610	832	1110	202	282	112
21....	79	68	65	52	100	63	1700	925	1190	195	209	108
22....	77	51	66	57	109	82	1860	872	1170	209	195	103
23....	76	54	61	61	114	82	2030	961	1130	188	192	99
24....	74	64	62	57	112	102	2120	1100	1060	176	195	97
25....	69	52	62	54	100	127	2080	1310	1130	182	303	97
26....	65	38	62	50	86	133	2030	1390	1080	163	230	94
27....	62	56	58	54	89	182	1940	1270	1040	163	192	108
28....	62	58	54	57	95	217	1960	1570	916	158	176	101
29....	74	52	61	57	....	322	2280	1670	856	149	176	90
30....	71	56	58	56	....	407	2490	1660	856	166	312	88
31....	62	60	60	52	....	376	....	1620	....	160	420	....
Total	2129	1870	1844	1611	2068	3834	36295	45747	37698	9501	6418	3878
Mean.	68.7	62.3	59.5	52.0	73.9	124	1210	1476	1257	306	207	129
Max..	80	76	66	62	114	407	2490	2570	2400	760	430	274
Min..	62	38	48	33	50	56	363	816	856	149	125	88
Acre-ft.	4220	3710	3660	3200	4100	7600	71990	90740	74770	18840	12730	7690

Total run-off for period=303,200 acre-feet.

**Discharge of North Fork of Gunnison River Near Somerset, Colo., for Year Ending
Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	86	117	67	59	60	64	86	562	3140	1500	199	104
2....	84	92	86	56	62	70	99	629	2840	1370	195	100
3....	82	103	64	64	56	67	130	496	2760	1450	183	96
4....	80	115	67	67	59	66	172	450	2380	1320	171	92
5....	80	122	76	53	64	57	230	562	2020	1240	165	89
6....	78	110	86	60	62	57	266	1010	1990	1080	162	85
7....	76	78	86	68	60	59	291	1550	2260	948	153	84
8....	76	67	78	60	64	59	321	1960	2230	844	144	80
9....	74	92	72	57	76	80	353	2350	2400	828	147	77
10....	74	101	67	61	72	78	334	2520	2760	780	144	77
11....	82	99	49	66	57	78	391	3120	2790	698	133	70
12....	112	97	52	63	64	86	496	3310	2590	612	126	72
13....	97	92	74	58	67	90	574	4030	2340	560	119	70
14....	97	94	78	64	66	97	400	4470	2340	510	117	69
15....	92	86	67	80	69	97	325	4700	2290	474	117	74
16....	88	86	66	67	60	88	299	4950	2280	442	128	72
17....	86	84	56	72	67	97	266	4320	1990	420	126	70
18....	86	88	63	67	64	103	246	2890	1960	395	130	69
19....	101	80	72	69	56	92	266	2560	1990	380	135	69
20....	108	84	76	69	66	97	250	2680	2170	395	135	68
21....	99	78	74	70	63	88	227	2870	2170	360	133	66
22....	101	86	70	60	64	78	216	3210	2020	335	133	66
23....	103	88	70	60	59	78	223	3730	1860	315	130	66
24....	99	90	67	62	64	88	274	4000	1920	325	128	66
25....	97	84	60	63	63	86	303	3550	1990	350	126	66
26....	97	60	69	63	62	84	321	3350	1900	305	124	69
27....	97	35	52	62	59	74	415	3070	1710	271	121	60
28....	105	63	48	60	64	64	556	3100	1530	247	119	68
29....	122	69	56	60	60	63	514	3390	1560	239	114	68
30....	138	63	66	60	....	74	514	3420	1550	235	112	66
31....	135	....	62	60	....	86	....	3280	....	219	108	....
Total	2932	2603	2096	1960	1829	2445	9358	86089	65730	19447	4277	2257
Mean.	94.6	86.8	67.6	63.2	63.1	78.9	312	2777	2191	627	138	75.2
Max..	138	122	86	80	76	103	574	4950	3140	1500	199	104
Min..	74	35	48	53	56	57	86	450	1530	219	108	66
Acre-ft.	5820	5160	4160	3890	3630	4850	18560	170800	130400	38570	8480	4480

Total run-off for period=398,800 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Anthracite Creek Near Floresta, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.9	2.3	2.1	1.9	2.0	1.9	10	244	316	105	12	27
2....	2.0	2.4	2.0	1.9	2.0	1.8	12	253	401	82	13	20
3....	2.0	2.4	2.0	1.8	1.9	1.8	14	265	239	75	15	16
4....	2.0	2.3	2.0	1.8	1.9	1.7	20	246	184	68	12	14
5....	2.0	2.3	2.0	1.8	1.9	1.7	26	199	178	60	12	12
6....	2.0	2.2	1.9	1.8	2.0	1.6	38	160	178	55	11	11
7....	1.8	2.2	1.8	1.7	2.0	1.7	42	125	201	51	10	9.5
8....	1.9	2.3	1.9	1.7	1.9	1.8	35	97	236	48	9.5	8.7
9....	1.9	2.3	2.1	1.7	1.9	1.8	32	81	268	44	9.0	8.2
10....	1.9	2.2	2.1	1.6	1.9	1.9	28	79	265	40	8.4	7.7
11....	2.0	2.2	2.2	1.6	1.9	2.0	24	91	248	37	13	7.4
12....	2.1	2.1	2.1	1.6	1.9	2.0	24	104	214	33	15	6.7
13....	3.4	2.0	2.1	1.6	1.9	1.9	25	107	182	30	11	6.5
14....	2.8	1.9	2.1	1.6	1.9	2.1	35	91	164	32	9.2	6.3
15....	2.5	2.0	2.1	1.6	1.9	2.1	45	81	166	36	8.2	6.1
16....	2.4	2.2	2.0	1.7	1.9	2.1	48	70	170	28	9.0	5.6
17....	2.3	2.3	2.0	1.7	1.9	2.0	54	68	180	24	11	5.2
18....	2.2	2.4	2.0	1.7	2.0	2.0	57	73	184	22	22	5.0
19....	2.1	2.4	2.0	1.7	2.0	2.1	75	74	172	20	30	5.2
20....	2.1	2.4	2.0	1.7	2.0	2.2	87	89	186	18	20	4.9
21....	2.0	2.2	2.0	1.7	2.1	2.2	89	109	203	18	17	4.6
22....	2.0	2.0	2.0	1.7	2.1	2.3	116	107	203	19	17	4.4
23....	2.0	1.9	2.0	1.8	2.1	2.4	136	146	190	17	16	4.2
24....	2.0	2.0	2.1	1.8	2.0	2.8	150	203	176	18	17	4.1
25....	1.9	2.0	2.1	1.9	1.9	3.4	154	258	203	20	30	3.9
26....	1.8	1.8	2.0	2.0	1.9	3.8	152	246	192	16	20	3.9
27....	1.8	1.9	1.9	2.1	1.9	4.5	146	244	172	15	15	4.1
28....	2.0	2.0	1.9	2.1	1.9	5.6	162	306	150	14	14	4.1
29....	2.2	2.0	1.9	2.1	...	7.0	212	294	140	16	13	3.9
30....	2.2	2.1	1.9	2.0	...	11	241	311	136	14	27	3.9
31....	2.3	...	1.9	2.0	...	10	...	287	...	13	47	...
Total	65.5	64.7	62.2	55.4	54.6	93.2	2289	5108	6097	1088	493.3	234.1
Mean.	2.11	2.16	2.01	1.79	1.95	3.01	76.3	165	203	35.1	15.9	7.80
Max..	3.4	2.4	2.2	2.1	2.1	11	241	311	401	105	47	27
Min..	1.8	1.8	1.8	1.6	1.9	1.6	10	68	136	13	8.2	3.9
Acre-ft.	130	128	123	110	108	185	4540	10130	12090	2160	978	464

Total run-off for period=31,150 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Minnesota Creek Near Paonia, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	2.8	4.2	5.2	4.8	3.1	3.8	29	86	73	42	8.2	12
2....	3.1	4.2	5.4	4.9	3.2	3.4	33	85	100	39	9.1	12
3....	3.7	4.0	4.5	4.9	3.4	3.1	39	87	91	36	8.8	10
4....	3.8	4.2	4.5	4.5	3.4	4.2	40	102	83	34	7.6	9.7
5....	4.0	3.7	4.5	4.0	3.2	4.1	39	104	77	32	7.0	9.4
6....	3.8	4.5	4.3	4.2	3.2	3.7	32	99	75	28	7.0	8.2
7....	3.7	4.0	4.1	4.5	3.3	3.5	32	100	75	27	7.0	9.1
8....	3.7	4.2	4.3	4.5	3.3	4.5	27	89	77	27	6.7	8.2
9....	3.8	4.8	4.5	4.3	3.2	4.3	21	81	79	26	7.6	7.9
10....	3.8	3.7	4.2	4.3	3.0	4.8	20	74	79	23	8.8	8.2
11....	4.0	5.6	4.5	4.3	3.1	5.4	17	70	79	20	9.7	7.0
12....	5.0	7.1	4.0	4.2	*3.1	4.9	17	67	76	20	8.5	5.6
13....	5.2	7.6	4.2	*4.2	3.2	5.0	20	67	71	18	7.0	5.6
14....	4.9	7.0	4.5	4.1	3.1	5.8	26	64	65	18	16	5.6
15....	4.6	5.3	4.8	4.1	3.2	5.8	32	61	64	19	20	4.8
16....	4.5	5.6	5.0	4.0	3.3	5.6	34	56	61	17	21	4.8
17....	4.4	5.6	5.0	3.6	3.6	5.4	39	52	59	16	27	4.8
18....	4.3	5.0	5.2	3.3	3.7	5.0	44	49	59	15	26	4.0
19....	4.3	5.0	5.2	3.1	3.8	4.5	51	47	58	14	29	7.0
20....	4.6	5.0	5.2	3.3	4.1	5.2	53	46	56	24	24	13
21....	4.6	5.0	5.2	3.5	4.4	5.0	58	50	55	27	23	13
22....	4.6	6.2	5.2	4.0	4.8	6.0	66	50	52	27	22	6.7
23....	4.5	8.2	5.0	3.8	5.4	6.6	71	50	48	26	22	3.8
24....	4.5	7.3	5.0	3.4	5.4	7.6	71	55	48	26	22	4.0
25....	4.3	5.9	5.0	3.2	5.0	9.8	70	61	51	25	18	4.8
26....	4.3	5.3	5.0	3.1	4.2	11	69	65	48	24	9.7	5.9
27....	4.1	6.4	5.3	3.3	4.3	13	66	65	46	23	9.7	8.2
28....	4.1	5.9	5.0	3.4	4.0	16	67	72	44	23	9.7	7.6
29....	4.4	5.9	4.5	3.5	....	19	72	76	44	22	11	7.3
30....	4.7	4.8	4.7	3.4	....	23	79	76	42	16	5.6	5.6
31....	4.5	....	4.8	3.2	....	29	....	77	....	9.1	15	....
Total	130.6	161.2	147.8	120.9	104.0	238.0	1334	2183	1935	743.1	444.1	223.8
Mean.	4.21	5.37	4.78	3.90	3.71	7.68	44.5	70.4	64.5	24.0	14.3	7.46
Max..	5.2	8.2	5.4	4.9	5.4	29	79	104	100	42	29	13
Min..	2.8	3.7	4.0	3.1	3.0	3.1	17	46	42	9.1	6.7	3.8
Acre-ft.	259	320	293	240	206	472	2650	4330	3840	1470	881	444

Total run-off for period=15,400 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Minnesota Creek Near Paonia, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	5.6	6.7	4.6	4.1	4.5	4.2	7.6	23	138	66	26	5.9
2....	5.6	6.7	5.0	3.7	4.8	4.2	7.6	24	137	64	26	5.6
3....	5.3	6.8	5.3	4.2	4.8	4.2	7.0	16	159	60	24	4.2
4....	5.6	7.0	5.1	4.0	4.8	4.2	7.3	17	145	57	24	4.2
5....	5.6	6.7	5.0	3.6	4.8	3.7	8.2	23	131	46	24	3.8
6....	5.6	6.2	5.0	3.8	4.8	4.3	8.5	38	124	39	23	3.8
7....	5.3	4.7	5.0	4.3	5.0	4.6	8.5	54	116	36	21	3.8
8....	5.0	4.0	5.0	3.9	5.0	5.0	8.2	68	131	31	21	3.7
9....	5.0	4.4	5.0	3.6	5.0	4.8	7.9	78	131	29	14	3.7
10....	5.3	4.8	5.0	4.0	4.8	4.8	8.2	83	140	28	8.5	3.7
11....	7.6	4.5	4.6	4.3	4.8	5.0	8.5	106	145	26	7.6	3.7
12....	8.5	4.4	4.2	4.1	5.0	4.8	9.1	113	137	26	7.0	7.9
13....	6.7	*4.3	4.4	3.9	4.5	5.6	12	131	116	25	6.7	8.2
14....	7.3	4.6	4.7	4.2	4.5	5.9	12	148	119	26	6.4	4.2
15....	6.4	4.8	4.4	5.0	4.8	5.6	11	162	118	26	6.2	4.8
16....	6.2	4.6	4.3	5.2	5.0	6.7	11	156	119	24	6.2	4.2
17....	6.2	5.0	4.4	5.2	4.5	5.9	10	162	96	23	6.7	4.2
18....	5.9	5.3	4.7	5.0	4.2	5.3	11	126	81	21	6.7	3.5
19....	8.8	5.3	4.8	5.0	4.6	5.6	11	103	77	21	14	3.3
20....	6.7	5.0	4.5	5.0	5.3	4.8	16	102	81	21	18	3.3
21....	6.4	5.3	4.2	5.0	5.0	5.3	10	104	82	20	18	3.1
22....	6.7	5.3	4.2	4.8	4.2	6.2	9.1	110	81	19	18	3.1
23....	6.7	5.3	4.2	4.8	5.0	6.4	9.1	125	77	18	17	2.9
24....	6.2	5.3	4.2	5.0	4.8	5.3	11	175	76	18	17	2.9
25....	6.2	5.0	4.0	4.8	4.5	5.0	11	174	78	19	17	3.1
26....	6.2	4.8	4.0	4.8	4.2	5.6	13	174	76	16	16	3.3
27....	6.2	4.0	3.8	4.8	4.2	5.3	16	156	71	15	16	3.3
28....	6.4	4.3	3.5	4.5	4.2	5.9	23	158	70	13	14	3.1
29....	7.0	4.8	3.9	4.5	4.2	6.4	24	164	70	13	14	3.1
30....	7.6	4.7	4.7	4.5	....	6.7	26	166	68	21	14	2.9
31....	7.3	....	4.4	4.5	....	7.6	....	150	....	26	12	....
Total	197.1	154.6	140.1	138.1	135.8	164.9	342.8	3389	3190	893	470.0	120.5
Mean.	6.36	5.15	4.52	4.45	4.68	5.32	11.4	109	106	28.8	15.2	4.02
Max..	8.8	7.0	5.3	5.2	5.3	7.6	26	175	159	66	26	8.2
Min..	5.0	4.0	3.5	3.6	4.2	3.7	7.0	16	68	13	6.2	2.9
Acre-ft.	391	307	278	274	269	327	680	6720	6330	1770	932	239

Total run-off for period=18,520 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of East Fork of Minnesota Creek Near Paonia, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.2	....	....	....	....	....	....	36	21	12	2.4	4.9
2....	1.2	....	....	....	....	....	....	32	28	12	2.7	4.6
3....	1.2	....	....	....	....	....	....	31	20	10	2.7	4.3
4....	1.2	....	....	....	....	....	....	39	17	9.4	2.7	4.0
5....	1.4	....	....	....	....	....	....	32	15	9.0	2.4	4.0
6....	1.4	....	....	....	....	....	....	25	17	8.2	2.4	3.6
7....	1.4	....	....	....	....	....	....	20	17	7.5	2.1	3.6
8....	1.4	....	....	....	....	....	....	19	18	7.1	2.4	3.3
9....	1.5	....	....	....	....	....	....	21	21	6.7	3.0	3.0
10....	1.5	....	....	....	....	....	....	18	21	6.7	3.3	2.7
11....	1.5	....	....	....	....	....	....	18	20	6.0	3.6	2.7
12....	1.6	....	....	....	....	....	....	18	20	6.0	3.3	2.4
13....	2.4	....	....	....	....	....	....	17	19	5.6	3.0	2.4
14....	2.1	....	....	....	....	....	....	17	17	5.2	2.7	2.7
15....	2.0	....	....	....	....	....	....	17	17	5.2	2.4	2.1
16....	1.8	....	....	....	....	....	....	16	17	4.9	2.7	2.1
17....	1.8	....	....	....	....	....	....	15	17	4.3	4.3	2.0
18....	1.6	....	....	....	....	....	....	15	17	4.3	4.6	1.8
19....	1.6	....	....	....	....	....	....	14	17	4.3	4.6	1.8
20....	1.6	....	....	....	....	....	....	15	17	4.0	4.3	1.8
21....	1.5	....	....	....	....	....	....	16	17	4.0	4.3	1.6
22....	1.5	....	....	....	....	....	Apr. 24	16	18	3.6	4.3	1.6
23....	1.5	....	....	....	....	....	to 30	16	17	3.3	4.0	1.5
24....	1.5	....	....	....	....	....	22	18	17	3.6	4.3	1.5
25....	1.4	....	....	....	....	....	22	23	16	3.3	4.3	1.5
26....	1.4	....	....	....	....	....	21	27	16	2.7	4.0	1.6
27....	1.5	....	....	....	....	....	20	25	15	2.4	3.6	2.0
28....	1.5	....	....	....	....	....	20	25	15	2.4	4.0	1.8
29....	1.6	....	....	....	....	....	25	24	14	2.4	4.0	1.6
30....	1.6	....	....	....	....	....	33	22	13	3.0	5.6	1.5
31....	0.9	....	....	....	....	....	....	22	....	2.7	5.2	....
Total	47.3	....	....	....	....	....	163	669	531	171.8	109.2	76.0
Mean..	153	....	....	....	....	....	23.3	21.6	17.7	5.54	3.52	2.53
Max..	2.4	....	....	....	....	....	33	39	28	12	5.6	4.9
Min..	0.9	....	....	....	....	....	20	14	13	2.4	2.1	1.5
Acre-ft.	94	....	....	....	....	....	323	1330	1050	341	217	151

Total run-off for period=3,506 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Leroux Creek Near Cedaredge, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	6.9	8.5	....	....	....	....	....	425	195	43	23	20
2....	6.8	8.4	....	....	....	....	....	452	328	40	26	18
3....	6.8	8.7	....	....	....	....	....	420	212	40	25	17
4....	6.6	8.5	....	....	....	....	....	470	166	40	23	16
5....	6.5	6.8	....	....	....	....	....	293	144	38	22	15
6....	6.2	8.0	....	....	....	....	....	226	128	38	22	14
7....	6.0	7.0	....	....	....	....	....	178	126	40	26	15
8....	5.9	6.5	....	....	....	....	....	142	128	39	25	15
9....	5.8	7.0	....	....	....	....	....	123	121	41	24	14
10....	5.7	5.3	....	....	....	....	....	132	114	41	22	14
11....	5.6	7.7	....	....	....	....	....	159	114	40	24	14
12....	5.8	8.4	....	....	....	....	....	170	114	40	28	14
13....	5.8	8.2	....	....	....	....	....	163	107	40	22	14
14....	5.8	8.0	....	....	....	....	....	134	95	38	18	13
15....	5.8	8.0	....	....	....	....	....	109	84	39	17	13
16....	5.8	....	....	....	....	....	....	99	75	36	17	12
17....	6.0	....	....	....	....	....	....	102	71	33	19	12
18....	6.2	....	....	....	....	....	....	123	68	32	22	12
19....	6.5	....	....	....	....	....	....	123	64	28	26	13
20....	6.5	....	....	....	....	....	Apr. 22	117	64	26	19	12
21....	6.2	....	....	....	....	....	to 30	126	59	28	19	12
22....	6.1	....	....	....	....	....	182	126	49	24	20	12
23....	6.8	....	....	....	....	....	212	130	50	24	22	11
24....	6.6	....	....	....	....	....	254	138	45	24	22	8.8
25....	6.9	....	....	....	....	....	237	168	45	22	25	7.8
26....	7.3	....	....	....	....	....	220	185	42	22	17	7.8
27....	6.6	....	....	....	....	....	258	178	40	22	18	19
28....	7.3	....	....	....	....	....	272	178	37	22	16	14
29....	7.4	....	....	....	....	....	324	195	43	23	16	12
30....	6.9	Nov. 1	....	....	....	....	425	234	44	25	28	10
31....	8.5	to 15	....	....	....	....	....	226	....	22	26	....
Total	199.6	1150	....	....	....	....	2384	6044	2972	1010	679	401.4
Mean..	6.44	7.67	....	....	....	....	265	195	99.1	32.6	21.9	13.4
Max...	8.5	8.7	....	....	....	....	425	470	328	43	28	20
Min...	5.6	5.3	....	....	....	....	182	99	37	22	16	7.8
Acre-ft.	396	228	....	....	....	....	4730	11990	5890	2000	1350	796

Total run-off for period=27,360 acre-feet.

Discharge of Leroux Creek Near Cedaredge, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	8.3	10	....	....	....	....	....	21	452	109	30	22
2....	7.6	9.2	....	....	....	....	....	22	324	106	29	21
3....	6.7	12	....	....	....	....	....	22	265	103	24	18
4....	6.2	11	....	....	....	....	....	24	200	122	23	18
5....	6.2	10	....	....	....	....	....	39	200	91	22	18
6....	6.2	9.7	....	....	....	....	....	76	242	77	22	16
7....	9.7	10	....	....	....	....	....	92	280	70	23	15
8....	6.4	9.4	....	....	....	....	....	106	292	62	26	15
9....	6.0	7.0	....	....	....	....	....	130	397	57	28	16
10....	6.0	8.0	....	....	....	....	....	136	461	62	26	15
11....	6.2	7.8	....	....	....	....	....	160	425	59	25	12
12....	7.6	7.8	....	....	....	....	....	182	320	56	24	11
13....	6.9	8.3	....	....	....	....	....	242	292	51	24	9.3
14....	9.7	7.8	....	....	....	....	....	310	289	49	24	8.8
15....	10	7.8	....	....	....	....	....	393	268	48	24	7.4
16....	10	8.0	....	....	....	....	....	488	248	47	23	7.0
17....	9.7	7.6	....	....	....	....	....	328	208	45	23	7.2
18....	9.4	7.4	....	....	....	....	....	230	202	42	25	7.2
19....	11	6.7	....	....	....	....	Apr. 21	235	210	42	31	7.2
20....	8.8	6.7	....	....	....	....	to 30	265	218	47	29	6.8
21....	12	....	....	....	....	....	12	301	208	44	27	6.0
22....	12	....	....	....	....	....	12	357	193	42	26	6.0
23....	11	....	....	....	....	....	12	474	174	41	26	6.0
24....	9.7	....	....	....	....	....	13	456	153	45	26	5.5
25....	8.3	....	....	....	....	....	13	461	145	43	27	5.5
26....	10	....	....	....	....	....	15	369	138	39	28	5.6
27....	11	....	....	....	....	....	21	283	132	34	25	5.8
28....	13	....	....	....	....	....	22	324	128	32	24	5.8
29....	14	....	....	....	....	....	18	357	120	30	26	5.8
30....	12	Nov. 1	....	....	....	....	18	338	113	29	27	6.0
31....	11	to 20	....	....	....	....	....	397	....	29	26	....
Total	282.6	172.2	....	....	....	....	156	7618	7297	1753	793	315.9
Mean..	9.12	8.61	....	....	....	....	15.6	246	243	56.5	25.6	10.5
Max...	14	12	....	....	....	....	22	488	461	122	31	2.2
Min...	6.0	6.7	....	....	....	....	12	21	113	29	22	5.5
Acre-ft.	561	342	....	....	....	....	309	15110	14470	3480	1570	627

Total run-off for period=36,470 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Leroux Creek Near Hotchkiss, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.2	0.2	0.1	0.0	0.0	0.1	0.1	136	9.2	0.0	0.0	0.0
2....	0.2	0.2	0.1	0.0	0.0	0.1	0.1	114	181	0.0	0.0	0.0
3....	0.2	0.1	0.1	0.0	0.0	0.1	0.1	131	78	0.0	0.0	0.0
4....	0.2	0.1	0.1	0.0	0.0	0.1	0.1	227	37	0.0	0.0	0.0
5....	0.2	0.1	0.1	0.0	0.0	0.1	0.1	128	13	0.0	0.0	0.0
6....	0.2	0.1	0.1	0.0	0.0	0.1	0.1	22	8.1	0.0	0.0	0.0
7....	0.2	0.1	0.1	0.0	0.0	0.1	3.2	7.0	1.6	0.0	0.0	0.0
8....	0.2	0.1	0.1	0.0	0.0	0.1	8.1	4.0	1.6	0.0	3.0	0.0
9....	0.2	0.1	0.1	0.0	0.0	0.1	2.9	5.7	7.8	0.0	0.0	0.0
10....	0.2	0.1	0.1	0.0	0.0	0.2	1.5	7.8	6.7	0.0	0.0	0.0
11....	0.2	0.1	0.1	0.0	0.0	0.2	1.5	8.8	7.0	0.0	0.0	0.0
12....	0.2	0.1	0.1	0.0	0.0	0.2	2.4	8.1	6.7	0.0	0.0	0.0
13....	0.2	0.1	0.1	0.0	0.0	0.2	4.3	8.1	6.4	0.0	0.0	0.0
14....	0.2	0.1	0.1	*0.0	0.0	0.2	7.0	2.4	4.0	0.0	0.0	0.0
15....	0.2	0.1	0.1	0.0	0.0	0.2	12	1.5	2.6	0.0	0.0	0.0
16....	0.2	0.1	0.1	0.0	0.1	0.2	27	2.2	2.0	0.0	0.0	0.0
17....	0.2	0.1	0.1	0.0	0.1	0.2	16	2.6	2.3	0.0	0.0	0.2
18....	0.2	0.1	0.1	0.0	0.1	0.2	9.2	6.0	4.3	0.0	0.0	0.1
19....	0.2	0.1	0.1	0.0	0.2	0.1	18	7.0	2.2	0.0	0.0	0.1
20....	0.2	0.1	0.1	0.0	0.2	0.1	34	14	1.4	0.0	0.0	0.1
21....	0.2	0.1	0.1	0.1	0.2	0.2	34	23	0.5	0.0	0.0	0.1
22....	0.2	0.1	0.1	0.2	0.3	0.2	46	9.2	0.2	0.0	0.0	0.1
23....	0.2	0.1	0.1	0.2	0.3	0.2	62	18	0.2	0.0	0.0	0.1
24....	0.2	0.1	0.1	0.3	0.2	0.2	62	28	0.1	0.0	0.0	0.2
25....	0.2	0.1	0.1	0.2	0.1	0.2	14	28	0.1	0.0	0.0	0.2
26....	0.2	0.1	0.1	0.1	0.1	0.2	13	18	0.1	0.0	0.0	0.3
27....	0.2	0.1	0.1	0.0	0.1	0.2	22	8.4	0.2	0.0	0.0	0.2
28....	0.2	0.1	0.1	0.0	0.1	0.2	47	19	0.2	0.0	0.0	0.1
29....	0.2	0.1	0.1	0.0	....	0.1	80	49	0.1	0.0	0.0	0.0
30....	0.2	0.1	0.1	0.0	....	0.1	103	42	0.0	0.0	0.0	0.0
31....	0.2	....	0.1	0.0	....	0.1	....	14	....	0.0	0.0	....
Total	6.2	3.2	3.1	1.1	2.1	4.8	630.7	1099.8	384.6	0.0	0.0	1.8
Mean.	20	11	10	04	08	15	21.0	35.5	12.8	0	0	06
Max..	0.2	0.2	0.1	0.3	0.3	0.2	103	227	181	0	0	0.3
Min..	0.2	0.1	0.1	0	0	0.1	0.1	1.5	0	0	0	0
Acre-ft.	13	6.3	6.1	2.2	4.2	9.5	1250	2180	763	0	0	3.6

Total run-off for period=4,240 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Surface Creek Near Cedaredge, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	13	....	....	....	....	....	....	141	82	82	39	40
2....	12	....	....	....	....	....	....	136	161	82	40	42
3....	11	....	....	....	....	....	....	132	136	77	44	36
4....	12	....	....	....	....	....	....	166	154	68	44	28
5....	14	....	....	....	....	....	....	143	111	65	41	28
6....	13	....	....	....	....	....	....	111	66	65	52	26
7....	11	....	....	....	....	....	....	90	60	66	53	25
8....	11	....	....	....	....	....	....	72	60	83	38	30
9....	12	....	....	....	....	....	....	65	58	85	33	31
10....	12	....	....	....	....	....	....	68	58	87	40	29
11....	13	....	....	....	....	....	....	68	58	87	53	40
12....	12	....	....	....	....	....	....	68	60	65	49	26
13....	16	....	....	....	....	....	....	66	55	58	38	24
14....	18	....	....	....	....	....	....	56	55	66	35	24
15....	19	....	....	....	....	....	....	50	53	70	40	24
16....	18	....	....	....	....	....	....	41	55	71	36	38
17....	18	....	....	....	....	....	....	38	53	74	36	37
18....	12	....	....	....	....	....	Apr. 20	38	65	56	64	32
19....	10	....	....	....	....	....	to 30	36	64	51	68	31
20....	9.6	....	....	....	....	....	117	39	68	62	43	26
21....	9.3	....	....	....	....	....	124	39	68	62	42	24
22....	9.0	....	....	....	....	....	145	37	66	62	35	29
23....	9.0	....	....	....	....	....	161	39	64	62	31	26
24....	8.6	....	....	....	....	....	138	45	64	58	49	24
25....	8.6	....	....	....	....	....	132	51	58	57	51	22
26....	8.2	....	....	....	....	....	132	55	58	46	43	26
27....	7.9	....	....	....	....	....	134	61	60	45	43	21
28....	10	....	....	....	....	....	143	74	51	52	36	21
29....	11	....	....	....	....	....	159	97	53	56	40	20
30....	12	....	....	....	....	....	161	102	85	53	66	16
31....	12	....	....	....	....	....	....	88	....	51	56	....
Total	372.2	....	....	....	....	....	1546	2312	2159	2024	1378	858
Mean	120	....	....	....	....	....	141	74.6	72.0	65.3	44.5	28.6
Max..	19	....	....	....	....	....	161	166	161	87	68	42
Min..	7.9	....	....	....	....	....	117	36	51	45	31	16
Acre-ft.	738	....	....	....	....	....	3070	4590	4280	4010	2730	1700

Total run-off for period=21,118 acre-feet.

Discharge of Surface Creek Near Cedaredge, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	16	11	....	....	....	....	....	....	185	154	44	39
2....	17	9.0	....	....	....	....	....	....	164	143	68	52
3....	14	11	....	....	....	....	....	....	154	132	66	64
4....	12	9.0	....	....	....	....	....	....	126	124	80	64
5....	13	7.5	....	....	....	....	....	....	128	121	77	64
6....	16	6.0	....	....	....	....	....	....	130	108	87	65
7....	16	6.0	....	....	....	....	....	....	134	88	83	65
8....	16	6.0	....	....	....	....	....	....	152	104	88	53
9....	15	14	....	....	....	....	....	....	190	106	90	51
10....	14	10	....	....	....	....	....	....	208	110	78	49
11....	14	9.0	....	....	....	....	....	....	219	117	72	50
12....	14	8.1	....	....	....	....	....	....	205	132	57	48
13....	15	....	....	....	....	....	....	....	198	132	58	42
14....	11	....	....	....	....	....	....	....	190	132	60	38
15....	10	....	....	....	....	....	....	....	192	134	61	36
16....	9.1	....	....	....	....	....	....	....	211	138	64	36
17....	9.3	....	....	....	....	....	....	....	269	136	64	37
18....	9.0	....	....	....	....	....	....	....	263	141	58	34
19....	10	....	....	....	....	....	....	....	214	185	60	33
20....	11	....	....	....	....	....	....	....	208	177	66	36
21....	12	....	....	....	....	....	....	May 23	216	166	66	34
22....	11	....	....	....	....	....	....	to 31	208	130	66	27
23....	10	....	....	....	....	....	....	260	242	106	68	26
24....	12	....	....	....	....	....	....	190	230	97	72	31
25....	13	....	....	....	....	....	....	216	195	92	77	32
26....	12	....	....	....	....	....	....	219	187	87	60	26
27....	9.0	....	....	....	....	....	....	208	166	82	56	24
28....	12	....	....	....	....	....	....	205	159	77	55	22
29....	14	....	....	....	....	....	....	216	149	76	52	21
30....	15	Nov. 1	....	....	....	....	....	225	149	68	50	20
31....	13	to 12	....	....	....	....	....	205	....	61	49	....
Total	394.4	106.6	....	....	....	....	....	1944	5641	3656	2052	1219
Mean	12.7	8.88	....	....	....	....	....	216	188	118	66.2	40.6
Max..	17	14	....	....	....	....	....	260	269	185	90	65
Min..	9.0	6.0	....	....	....	....	....	190	126	61	44	20
Acre-ft.	782	211	....	....	....	....	....	3860	11190	7250	4070	2420

Total run-off for period=29,780 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Surface Creek at Cedaredge, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	7.2	7.2	2.2	2.0	2.0	2.0	6.1	82	52	37	11	28
2....	7.2	7.8	2.8	2.0	1.8	2.2	7.2	76	125	40	13	22
3....	6.7	7.8	2.8	1.7	1.6	2.0	13	71	91	41	16	15
4....	5.6	7.2	2.2	1.7	1.7	1.8	16	112	102	40	14	9.7
5....	5.0	5.0	2.2	1.7	1.9	1.8	18	96	74	36	11	7.8
6....	5.6	5.6	2.0	1.4	1.8	2.0	20	62	48	35	18	10
7....	5.6	4.4	1.8	0.4	2.0	1.8	24	54	48	36	14	12
8....	5.0	4.4	2.0	0.6	2.1	1.8	16	42	42	36	14	15
9....	5.6	5.0	2.2	1.2	2.3	1.8	9.7	31	40	35	13	15
10....	5.6	3.3	2.0	1.5	2.0	1.8	7.2	44	40	35	15	13
11....	7.2	3.9	2.0	1.6	2.1	1.8	4.4	56	40	33	23	10
12....	7.2	2.8	2.2	*1.8	2.3	1.5	3.3	56	44	31	30	9.7
13....	13	3.3	2.0	1.9	*2.4	1.5	9.0	51	44	32	21	10
14....	12	3.3	2.0	2.0	2.6	1.5	32	38	41	33	13	13
15....	9.7	3.3	2.2	2.0	2.8	1.5	38	32	41	33	15	13
16....	7.2	2.2	2.2	2.2	2.5	1.5	36	24	41	22	22	14
17....	7.2	2.8	2.2	2.2	2.5	1.5	42	29	40	21	31	11
18....	7.2	2.8	2.4	2.2	2.7	1.5	57	28	38	14	45	9.7
19....	6.7	2.0	2.4	0.2	2.9	1.5	62	23	32	10	57	7.8
20....	6.1	2.0	2.0	0.6	3.1	1.5	80	22	32	14	32	8.4
21....	5.6	1.8	1.9	1.2	3.2	1.5	100	25	30	17	32	8.4
22....	4.4	2.8	1.9	1.8	3.2	1.5	91	23	25	18	28	9.7
23....	4.4	3.3	2.0	2.4	3.3	1.5	80	23	23	16	21	9.0
24....	3.3	3.3	2.2	2.4	3.0	1.5	58	28	23	15	24	8.4
25....	3.9	4.4	1.5	2.0	2.9	1.5	71	35	18	15	29	7.2
26....	5.6	3.9	0.4	1.6	2.6	1.5	87	37	19	13	25	9.0
27....	5.6	2.2	0.8	1.8	2.0	1.5	74	37	19	12	25	14
28....	6.7	2.0	1.2	1.8	2.0	1.8	78	50	18	11	21	17
29....	6.7	2.0	1.5	1.9	...	3.3	98	69	21	11	22	15
30....	6.7	1.8	1.7	2.0	...	8.4	100	73	37	13	45	12
31....	6.7	...	2.0	2.1	...	6.1	...	54	...	13	41	...
Total	202.2	113.6	60.9	51.9	67.3	64.4	1337.9	1483	1288	768	741	363.8
Mean	6.52	3.79	1.96	1.67	2.40	2.08	44.6	47.8	42.9	24.8	23.9	12.1
Max...	13	7.8	2.8	2.4	3.3	8.4	100	112	125	41	57	28
Min...	3.3	1.8	0.4	0.2	1.6	1.5	3.3	22	18	10	11	7.2
Acre-ft.	401	225	121	103	133	128	2650	2940	2550	1520	1470	722

Total run-off for period=12,960 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Surface Creek at Cedaredge, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	12	7.2	0.6	1.0	1.3	2.1	1.8	7.6	199	66	12	15
2....	14	6.4	0.8	1.3	1.4	2.2	1.6	8.2	186	63	20	16
3....	13	7.2	1.0	1.2	1.2	2.2	2.4	6.3	195	72	15	13
4....	11	5.6	1.2	1.0	1.3	2.1	3.4	5.6	171	70	12	20
5....	11	4.4	1.6	0.6	1.4	2.0	4.4	12	159	65	7.6	27
6....	11	3.3	1.8	1.0	1.4	1.8	3.7	40	156	66	11	28
7....	10	3.3	1.3	1.1	1.4	1.7	4.7	77	163	61	10	26
8....	7.2	3.3	1.3	0.8	1.4	1.7	4.7	97	178	65	14	18
9....	6.7	4.5	1.3	0.8	1.6	2.0	4.0	133	217	60	16	13
10....	6.7	5.0	1.2	1.0	1.6	2.3	2.8	139	190	61	14	13
11....	6.1	4.4	1.0	1.1	1.2	2.2	3.1	182	190	60	11	13
12....	6.7	3.9	1.0	1.1	1.3	2.4	4.7	208	156	68	4.7	14
13....	6.7	3.3	1.1	1.0	1.5	2.7	4.0	263	152	65	4.0	12
14....	6.1	2.8	1.2	1.0	1.7	2.4	3.1	217	148	60	6.3	14
15....	6.7	2.0	1.3	1.0	1.8	2.3	3.1	190	136	55	10	14
16....	6.7	2.2	1.3	1.1	1.9	2.2	2.4	378	130	54	8.9	14
17....	6.7	2.0	1.3	1.1	1.7	*2.6	1.6	285	136	50	7.6	7.6
18....	6.7	2.8	1.3	1.1	1.9	2.4	1.4	182	127	50	4.0	6.3
19....	9.0	2.0	1.4	1.1	2.1	2.7	1.6	167	97	56	4.4	4.7
20....	9.7	2.0	1.5	1.1	2.2	2.3	1.6	204	87	73	7.0	4.7
21....	9.0	1.1	1.5	1.2	1.8	2.0	1.3	212	93	68	7.6	5.0
22....	9.7	2.0	1.4	*1.2	1.8	2.0	1.6	230	97	55	7.6	7.0
23....	8.4	0.7	1.4	1.3	2.0	2.3	1.4	263	109	43	7.0	8.2
24....	7.2	1.8	1.3	1.3	2.0	2.6	2.1	280	102	34	14	8.9
25....	8.4	0.4	1.3	1.4	1.7	2.5	2.4	246	97	29	14	8.2
26....	6.1	0.6	1.3	1.3	1.6	2.4	2.8	212	91	24	12	8.2
27....	6.1	0.4	1.1	1.2	1.7	2.1	5.0	171	83	27	12	8.2
28....	11	0.5	1.1	1.2	*1.9	1.8	8.9	124	75	24	16	8.2
29....	12	0.6	1.0	1.2	2.0	1.5	5.6	133	72	23	18	8.9
30....	11	0.7	1.2	1.3	...	1.6	5.6	148	73	20	19	8.9
31....	8.4	...	1.1	1.2	...	1.8	...	152	...	17	21	...
Total	271.0	86.4	38.2	34.3	47.8	66.9	96.8	4972.7	4065	1604	347.7	373.0
Mean	8.74	2.88	1.23	1.11	1.65	2.16	3.23	160	136	51.7	112	12.4
Max...	14	7.2	1.8	1.4	2.2	2.7	8.9	378	217	73	21	28
Min...	6.1	0.4	0.6	0.6	1.2	1.5	1.3	5.6	7.2	17	4.0	4.7
Acre-ft.	538	171	76	68	95	133	192	9860	8060	3180	690	740

Total run-off for period=23,800 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Surface Creek at Eckert, Colo., for Year Ending Sept. 30, 1942.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	5.6	22	8.6	2.5	4.6	1.2
2.....	4.3	21	6.5	2.5	9.4	1.2
3.....	18	21	5.3	2.5	6.5	2.2
4.....	30	17	5.1	2.5	5.6	4.4
5.....	36	25	16	2.5	3.2	4.4
6.....	28	15	27	2.5	3.0	3.8
7.....	22	56	26	22	3.0	4.3
8.....	36	90	12	9.8	3.0	4.3
9.....	45	107	9.4	3.3	1.7	4.8
10.....	58	132	13	2.5	0.8	5.6
11.....	74	130	15	2.5	0.8	7.8
12.....	113	65	11	2.0	2.4	4.3
13.....	118	12	6.5	1.7	1.2	3.0
14.....	167	1.8	5.6	1.2	1.2	2.7
15.....	163	1.8	4.4	1.3	1.0	2.5
16.....	146	0.7	3.8	1.7	1.5	2.7
17.....	126	0.4	3.6	2.7	1.6	2.7
18.....	93	1.2	4.8	3.8	1.5	3.0
19.....	64	14	4.6	2.1	1.5	2.7
20.....	59	53	4.6	1.0	1.8	2.5
21.....	85	100	4.6	0.8	8.6	1.6
22.....	106	84	4.8	3.3	9.0	1.2
23.....	151	77	4.6	1.7	5.6	1.2
24.....	86	40	4.6	1.2	4.8	1.2
25.....	63	40	3.0	4.6	4.1	1.2
26.....	56	30	3.0	2.7	3.8	1.2
27.....	36	34	2.7	1.2	3.6	1.1
28.....	33	17	2.6	1.2	2.4	1.1
29.....	30	4.6	2.5	2.0	1.8	1.2
30.....	22	2.4	2.5	2.5	1.6	1.2
31.....	2.7	.....	3.0	1.6	.....
Total	2073.9	1217.6	227.7	96.8	118.4	82.3
Mean	69.1	39.3	7.59	3.12	3.82	2.74
Max..	167	132	27	22	18	7.8
Min..	4.3	0.4	2.5	0.8	0.8	1.1
Acre-ft.	4110	2420	452	192	235	163

Total run-off for period=7,570 acre-feet.

Discharge of Surface Creek at Eckert, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	1.2	0.7	0.9	0.7	0.6	0.3	0.2	6.3	4.1	2.4	0.7	1.7
2.....	1.2	0.7	0.8	0.7	0.6	0.2	0.2	10	7.5	1.7	5.3	2.0
3.....	1.0	0.7	1.0	0.7	0.6	0.3	0.5	4.8	2.9	1.7	6.5	1.0
4.....	0.8	0.7	0.8	0.7	0.6	0.4	0.9	11	7.4	2.2	2.6	0.7
5.....	0.8	0.7	0.8	0.7	0.6	0.7	2.7	15	2.6	2.0	2.5	0.7
6.....	0.7	0.7	0.8	0.7	0.6	0.7	13	4.6	2.4	1.1	4.6	0.7
7.....	0.7	0.8	0.7	0.7	0.6	0.7	2.6	4.6	3.3	0.8	6.3	0.7
8.....	0.7	0.8	0.8	0.7	0.6	0.7	1.4	3.6	2.5	0.8	4.8	0.7
9.....	0.7	0.8	0.8	0.7	0.6	0.4	0.7	2.6	3.2	0.8	1.3	0.9
10.....	0.7	0.8	0.8	0.7	0.6	0.3	0.3	4.3	3.2	0.8	0.7	2.7
11.....	0.7	0.8	0.8	0.7	0.6	0.4	0.3	6.3	3.2	2.9	1.2	1.2
12.....	0.7	0.8	0.8	0.7	0.6	0.4	0.3	4.8	3.2	3.3	3.3	0.7
13.....	1.2	0.8	0.8	0.7	0.6	0.3	0.3	4.6	3.2	1.2	0.8	1.2
14.....	1.5	0.8	0.8	0.6	0.6	0.3	2.6	2.9	1.8	2.9	0.7	1.1
15.....	1.7	0.8	0.8	0.6	0.6	0.3	7.4	2.9	1.3	2.6	0.7	0.7
16.....	2.0	0.8	0.8	0.6	0.6	0.3	5.6	2.1	1.4	0.7	2.9	0.7
17.....	1.2	0.8	0.8	0.6	0.6	0.3	6.8	1.8	1.3	0.7	3.6	0.7
18.....	0.8	0.8	0.7	0.6	0.6	0.3	31	3.6	3.6	0.7	7.0	0.7
19.....	0.7	0.8	0.7	0.7	0.6	0.3	9.8	2.1	1.1	0.7	12	0.7
20.....	0.7	0.8	0.8	0.7	0.6	0.3	7.8	1.6	1.7	0.7	2.1	0.7
21.....	0.7	0.8	0.9	0.7	0.6	0.3	20	1.4	1.3	0.7	0.7	0.7
22.....	0.7	0.8	0.9	0.7	0.6	0.3	12	2.1	2.4	0.7	0.6	0.7
23.....	0.8	0.8	0.9	0.7	0.6	0.3	11	3.0	2.1	0.7	0.6	0.7
24.....	0.9	0.8	0.8	0.7	0.6	0.3	20	2.7	1.2	1.2	0.7	0.7
25.....	1.0	0.8	0.7	0.6	0.6	0.3	14	1.7	0.9	0.9	0.7	0.7
26.....	0.7	0.8	0.6	0.6	0.6	0.3	5.1	2.4	0.9	0.7	0.6	0.7
27.....	0.7	0.8	0.7	0.6	0.3	0.3	5.3	3.2	0.7	0.7	0.6	2.2
28.....	0.7	0.8	0.7	0.6	0.3	1.2	15	4.1	0.7	0.7	0.6	1.3
29.....	0.8	0.8	0.7	0.6	.....	1.6	12	19	0.9	0.7	1.4	0.7
30.....	0.7	0.8	0.7	0.6	.....	1.6	17	5.6	7.0	0.7	6.8	0.7
31.....	0.7	.....	0.7	0.6	.....	0.2	.....	2.6	.....	0.9	9.0	.....
Total	28.1	23.4	24.3	20.5	16.2	14.6	225.8	147.3	146.5	39.3	91.9	29.3
Mean	0.91	0.78	0.78	0.66	0.58	0.47	7.53	4.75	4.88	1.27	2.96	0.98
Max..	2.0	0.8	1.0	0.7	0.6	1.6	31	19	7.5	3.3	12	2.7
Min..	0.7	0.7	0.6	0.6	0.3	0.2	0.2	1.4	0.7	0.7	0.6	0.7
Acre-ft.	56	46	48	41	32	29	448	292	291	78	182	58

Total run-off for period=1,600 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Surface Creek at Eckert, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.7	1.1	1.1	0.9	0.8	1.4	0.3	14	29	0.8	0.4	1.4
2....	0.6	1.1	1.2	0.9	0.9	1.4	0.3	8.8	20	1.3	5.9	1.1
3....	0.6	1.1	1.2	0.9	1.4	1.4	0.6	5.2	73	2.0	1.2	1.8
4....	0.6	1.1	1.1	0.9	1.1	1.4	3.0	4.6	77	4.0	0.8	1.6
5....	0.6	1.1	1.2	0.8	0.9	1.2	2.4	5.9	80	1.6	0.5	1.3
6....	0.6	1.1	1.2	0.8	1.1	0.6	2.4	34	83	1.6	0.4	1.6
7....	0.6	1.1	1.2	0.8	0.8	0.6	1.7	74	102	2.0	0.3	1.3
8....	0.8	1.1	1.2	0.8	0.8	0.6	1.1	86	132	10	0.3	2.0
9....	0.7	2.6	1.4	0.9	0.9	0.6	0.6	112	155	8.8	0.3	1.8
10....	0.6	1.4	1.2	0.9	0.9	0.6	0.6	60	176	7.4	0.4	1.1
11....	0.9	1.4	1.2	0.9	0.9	0.6	0.4	102	226	7.7	0.3	0.8
12....	0.8	1.2	1.1	0.9	0.9	0.7	0.3	236	109	7.7	0.4	0.8
13....	0.8	0.8	0.9	0.9	1.2	0.7	0.3	236	102	6.9	0.3	0.8
14....	0.8	0.8	1.1	0.9	1.4	0.6	0.3	313	116	7.7	0.7	1.3
15....	0.8	0.8	1.1	0.9	1.6	0.6	0.4	332	127	4.8	0.6	2.1
16....	0.8	0.8	0.9	0.9	1.6	0.6	0.4	306	57	3.8	0.8	1.2
17....	0.8	0.8	1.1	0.9	1.2	0.5	0.4	155	21	5.9	0.9	1.1
18....	0.8	0.8	1.1	0.9	1.6	0.4	0.4	47	8.8	7.4	0.9	1.2
19....	0.9	0.8	0.9	1.2	1.7	0.6	0.3	43	3.3	10	0.9	1.3
20....	0.9	0.8	0.9	1.4	1.8	0.6	0.3	46	1.8	12	1.2	1.3
21....	0.9	0.8	0.9	1.2	1.1	0.6	0.3	96	1.3	8.8	1.6	1.3
22....	0.9	1.2	0.9	1.2	0.9	0.5	0.3	126	3.3	4.8	1.7	1.3
23....	0.9	0.9	0.9	1.4	1.1	0.3	0.3	158	7.7	4.0	1.7	1.1
24....	0.9	0.8	0.9	1.7	0.8	0.3	0.3	186	1.6	2.6	3.3	1.1
25....	0.9	0.8	0.9	0.9	0.8	0.3	0.3	89	1.3	3.0	2.2	1.3
26....	0.9	0.8	0.9	0.9	1.4	0.3	0.3	36	5.6	2.2	0.9	1.4
27....	0.9	0.8	0.9	0.8	1.1	0.3	0.3	8.2	4.0	2.1	0.8	1.4
28....	0.9	0.8	0.9	0.8	1.1	0.3	10	8.8	1.1	1.4	4.2	1.6
29....	1.1	0.8	0.9	0.8	1.3	0.3	2.7	7.7	0.9	0.7	5.6	1.7
30....	1.4	1.3	0.9	0.8	.....	0.3	3.3	17	0.8	0.5	3.4	1.4
31....	1.1	.....	0.9	0.8	.....	0.3	.....	36	.....	0.4	1.8	.....
Total	25.5	30.8	32.2	29.7	33.1	19.5	34.6	2939.2	1726.5	143.9	44.7	50.4
Mean.	0.82	1.03	1.04	0.96	1.14	0.63	1.15	96.4	57.6	4.64	1.44	1.68
Max.	1.4	2.6	1.4	1.7	1.8	1.4	10	332	226	12	5.9	11
Min.	0.6	0.8	0.9	0.8	0.8	0.3	0.3	4.6	0.8	0.4	0.3	0.8
Acre-ft.	51	61	64	59	66	39	69	5930	3420	285	89	100

Total run-off for period=10,230 acre-feet.

Discharge of Kiser Creek Below Eggleston Reservoir at Grand Mesa, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.3	0.3	12	14	11
2....	0.3	0.3	10	13	5.6
3....	0.3	0.3	10	14	5.3
4....	0.3	0.3	10	17	5.3
5....	0.3	0.3	10	20	5.3
6....	0.3	0.3	10	19	5.3
7....	0.3	0.3	10	18	5.3
8....	0.3	0.3	10	13	5.3
9....	0.3	0.3	9.6	13	7.4
10....	0.2	0.2	9.6	13	12
11....	0.3	0.2	9.6	12	8.8
12....	0.3	0.2	9.2	9.6	9.6
13....	0.3	0.2	11	6.8	10
14....	0.3	0.2	15	3.0	12
15....	0.3	0.2	15	3.0	22
16....	0.3	0.2	15	3.0	23
17....	0.3	0.2	15	3.7	23
18....	0.3	0.2	15	13	20
19....	0.3	0.2	15	13	19
20....	0.3	0.2	15	13	17
21....	0.3	0.2	15	13	16
22....	0.3	0.2	13	13	18
23....	0.3	0.2	8.0	12	18
24....	0.3	0.2	8.0	12	18
25....	0.3	0.2	7.7	12	17
26....	0.2	0.2	7.7	12	17
27....	0.3	1.0	9.2	12	16
28....	0.3	12	14	12	16
29....	0.3	12	14	12	16
30....	0.3	12	14	12	15
31....	0.3	.....	14	12	.....
Total	9.3	43.1	360.6	368.1	399.2
Mean.	0.30	1.44	11.6	11.9	13.3
Max.	0.3	12	15	20	23
Min.	0.3	0.2	7.7	3.0	5.3
Acre-ft.	18	85	715	730	792

Total run-off for period=2,340 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Kiser Creek Near Cedaredge, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.7	2.8	1.8	1.3	1.2	1.5	1.5	0.6	0.5	0.7	0.7	1.1
2....	1.8	2.8	1.9	1.3	1.2	1.4	1.5	0.5	1.5	0.7	0.8	1.1
3....	1.8	2.8	1.8	1.3	1.3	1.4	1.5	0.5	1.1	0.8	0.7	1.1
4....	1.7	2.8	1.9	1.3	1.2	1.5	1.4	0.6	0.9	0.8	0.8	1.1
5....	1.8	2.8	1.8	1.2	1.3	1.5	1.5	0.6	0.9	0.7	0.7	1.1
6....	1.7	2.7	1.7	1.2	1.3	1.3	1.5	0.6	1.0	0.6	1.3	1.0
7....	1.6	2.6	1.7	1.1	1.3	1.5	1.4	0.6	1.1	0.5	1.4	1.0
8....	1.7	2.5	1.7	1.1	1.3	1.5	1.5	0.6	1.1	0.6	1.4	1.0
9....	1.7	2.5	1.7	1.1	1.3	1.7	1.6	0.6	1.1	0.6	1.4	0.9
10....	1.9	2.2	1.7	1.1	1.2	1.6	1.4	0.6	1.0	0.6	1.2	0.9
11....	2.0	2.1	1.6	1.1	1.2	1.5	1.4	0.6	1.1	0.6	1.5	0.8
12....	2.1	2.1	1.6	1.1	1.3	1.5	1.4	0.6	1.0	0.6	1.2	0.8
13....	2.2	2.2	1.6	1.1	1.3	1.5	1.4	0.6	0.9	0.6	1.3	0.7
14....	2.3	2.1	1.6	1.2	1.2	1.4	1.4	0.6	0.8	0.6	1.3	0.7
15....	2.3	2.1	1.6	1.2	1.2	1.6	1.5	0.6	0.8	0.6	1.2	0.5
16....	2.3	2.0	1.6	1.2	1.4	1.4	1.5	0.6	0.7	0.6	1.3	0.5
17....	2.3	2.0	1.5	1.2	1.4	1.5	1.5	0.6	0.7	0.6	1.3	0.5
18....	2.3	2.1	1.5	1.2	1.4	1.5	1.5	0.6	0.9	0.6	1.4	0.5
19....	2.3	2.2	1.5	1.0	1.5	1.5	1.5	0.6	0.9	0.6	1.5	0.5
20....	2.3	2.2	1.5	1.1	1.5	1.5	1.5	0.6	0.8	0.6	1.4	0.5
21....	2.6	2.1	1.4	1.1	1.5	1.4	1.5	0.6	0.8	0.6	1.6	0.5
22....	2.6	2.1	1.5	1.2	1.6	1.5	1.5	0.5	0.8	0.6	1.5	0.5
23....	2.7	2.1	1.5	1.2	1.5	1.5	1.5	0.5	0.8	0.6	1.4	0.6
24....	3.0	2.1	1.5	1.2	1.5	1.5	1.5	0.5	0.8	0.7	1.4	0.7
25....	3.0	2.1	1.5	1.2	1.5	1.5	1.4	0.5	0.8	0.8	1.2	0.5
26....	3.0	2.0	1.5	1.2	1.5	1.6	1.4	0.5	0.7	0.7	1.2	0.5
27....	3.0	2.0	1.4	1.3	1.5	1.7	1.6	0.5	0.7	0.7	1.1	0.5
28....	3.0	2.0	1.4	1.1	1.5	1.7	1.2	0.5	0.7	0.7	1.1	0.5
29....	3.4	1.9	1.5	1.2	....	1.7	1.3	0.6	0.7	0.7	1.3	0.4
30....	3.0	2.0	1.4	1.3	....	1.6	0.8	0.6	0.7	0.7	1.3	0.4
31....	3.0	....	1.4	1.3	....	1.6	....	0.5	....	0.7	1.3	....
Total	72.1	68.0	49.3	36.7	38.1	47.1	43.1	17.6	26.3	20.1	38.2	21.4
Mean.	2.33	2.27	1.59	1.18	1.36	1.52	1.44	.57	.88	.65	1.23	.71
Max..	3.4	2.8	1.9	1.3	1.6	1.7	1.6	0.6	1.5	0.8	1.6	1.1
Min..	1.6	1.9	1.4	1.0	1.2	1.3	0.8	0.5	0.5	0.5	0.7	0.4
Acre-ft.	143	135	98	73	76	93	85	35	52	40	76	42

Total run-off for period=948 acre-feet.

Discharge of Kiser Creek Near Cedaredge, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.4	2.6	1.1	0.7	0.8	1.0	1.9	2.5	5.4	2.0	2.3	1.5
2....	0.5	2.6	1.1	0.7	0.8	1.1	1.8	2.3	5.2	1.5	2.3	1.3
3....	0.5	2.6	1.2	0.8	0.8	1.1	1.8	2.2	5.8	1.8	1.9	1.6
4....	0.7	2.6	1.2	0.7	0.8	1.0	2.0	2.2	4.2	1.7	1.1	1.1
5....	0.7	2.6	1.2	0.7	0.8	1.0	2.0	2.3	4.1	1.5	1.1	1.1
6....	0.8	2.6	1.2	0.7	0.8	1.0	2.2	2.2	4.4	1.3	1.0	1.8
7....	0.9	2.5	1.1	0.8	1.0	1.0	1.9	2.2	9.4	1.3	0.8	2.3
8....	0.8	2.0	1.1	0.7	1.0	1.0	1.9	2.1	12	1.5	0.7	2.5
9....	1.0	2.0	1.1	0.8	0.9	1.1	2.1	7.9	18	1.2	0.7	1.8
10....	1.3	2.0	1.0	0.7	0.9	1.1	2.0	3.5	22	1.2	0.7	1.8
11....	2.0	2.0	1.0	0.7	0.8	1.4	2.1	14	23	1.2	0.7	2.6
12....	2.2	2.0	1.0	0.8	0.9	1.2	2.2	21	27	1.3	0.6	2.8
13....	2.6	2.1	1.0	0.7	0.9	1.3	2.3	30	32	1.2	0.6	0.7
14....	2.6	2.1	1.0	0.7	0.9	1.5	2.5	33	28	1.1	0.6	0.6
15....	2.5	2.1	0.9	0.8	0.9	1.4	2.5	37	34	1.0	0.7	0.5
16....	2.5	2.0	1.0	0.7	0.9	1.3	2.6	33	50	0.9	0.6	0.5
17....	2.5	2.0	0.8	0.8	0.9	1.4	2.8	20	33	0.9	0.7	0.7
18....	2.6	2.1	0.8	0.8	0.9	1.4	2.7	12	18	0.9	0.7	0.6
19....	3.1	2.1	0.8	0.8	0.9	1.4	2.8	9.7	16	0.8	0.8	0.7
20....	3.0	2.1	0.9	0.8	0.9	1.4	2.7	8.8	12	0.8	1.3	0.5
21....	2.7	1.9	0.8	0.7	1.0	1.4	2.6	10	3.0	1.5	1.8	0.5
22....	2.8	2.0	0.8	0.7	1.0	1.4	2.6	12	1.9	2.3	1.5	0.6
23....	2.8	1.8	0.8	0.7	1.0	1.5	2.6	11	1.4	3.1	1.9	0.6
24....	2.8	1.7	0.8	0.8	1.0	1.6	2.6	7.0	1.6	3.3	1.9	0.8
25....	2.8	1.6	0.8	0.7	1.0	1.5	2.6	5.4	2.3	3.1	1.4	0.8
26....	2.7	1.5	0.8	0.7	1.0	1.4	2.5	4.6	8.6	3.1	1.1	0.7
27....	2.7	1.3	0.7	0.8	1.0	1.5	2.3	6.0	6.2	3.0	0.9	0.9
28....	2.7	1.3	0.7	0.8	1.0	1.5	3.4	6.4	4.8	3.1	1.0	0.7
29....	2.7	1.3	0.8	0.8	1.0	1.5	3.1	6.9	2.6	3.4	1.2	0.6
30....	2.7	1.3	0.8	0.8	....	1.6	2.7	7.1	3.1	2.5	1.3	0.6
31....	2.7	....	0.8	0.7	....	1.8	....	6.4	....	1.4	1.4	....
Total	63.3	60.4	29.1	23.1	26.5	40.8	71.8	330.7	399.0	54.9	35.3	33.8
Mean.	2.04	2.01	0.94	0.75	0.91	1.32	2.39	10.7	13.3	1.77	1.14	1.13
Max..	3.1	2.6	1.2	0.8	1.0	1.8	3.4	37	50	3.4	2.3	2.8
Min..	0.4	1.3	0.7	0.7	0.8	1.0	1.8	2.1	1.4	0.8	0.6	0.5
Acre-ft.	126	120	58	46	53	81	142	656	791	109	70	67

Total run-off for period=2,320 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of West Ward Creek Below Island Lake Reservoir Near Grand Mesa, Colo.,
for Year Ending Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.5	8.6	8.6
2....	1.4	8.6	8.2
3....	1.4	8.6	8.0
4....	1.2	8.6	7.7
5....	0.9	8.6	7.4
6....	0.6	8.6	7.2
7....	2.1	8.6	7.2
8....	5.0	8.4	7.1
9....	5.0	8.2	7.0
10....	5.0	8.2	6.5
11....	4.9	8.0	6.4
12....	4.6	8.0	5.9
13....	7.2	7.8	5.7
14....	8.8	7.7	5.4
15....	9.6	7.7	4.9
16....	10	7.6	4.1
17....	10	7.7	3.8
18....	9.8	8.2	3.7
19....	9.6	8.0	3.4
20....	9.4	7.8	2.9
21....	June 23	9.2	7.7	2.7
22....	to 30	9.0	7.6	2.4
23....	0	9.0	7.7	2.3
24....	0	8.8	8.6	2.3
25....	0.4	8.8	8.4	2.1
26....	0.2	8.8	8.0	2.0
27....	0.2	8.6	7.8	0.8
28....	0.2	8.6	7.6	0
29....	0.9	8.6	7.6	0
30....	1.5	8.6	8.2	0
31....	8.6	9.0	....
Total	3.4	204.6	251.7	135.7
Mean..	0.42	6.60	8.12	4.52
Max..
Min..
Acre-ft.	6.7	406	499	269

Total run-off for period=1,180 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Ward Creek Near Cedaredge, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.1	0.1	0.2	0.1	0.0	0.1	1.6	2.1	0.2	0.1	0.1	0.1
2....	0.1	0.1	0.3	0.2	0.0	0.1	5.8	5.4	9.9	0.1	0.4	0.1
3....	0.1	0.1	0.2	0.2	0.0	0.1	8.7	2.5	0.7	0.1	0.2	0.1
4....	0.1	0.1	0.2	0.2	0.1	0.1	11	4.7	0.2	0.1	0.1	0.1
5....	0.1	0.1	0.2	0.2	0.1	0.1	10	6.8	0.2	0.1	0.1	0.1
6....	0.1	0.1	0.3	0.2	0.1	0.1	12	2.9	0.2	0.1	0.1	0.1
7....	0.1	0.1	0.2	0.1	0.1	0.0	11	1.4	0.2	0.1	0.4	0.1
8....	0.1	0.1	0.3	0.1	0.1	0.1	7.6	1.3	0.2	0.1	0.1	0.2
9....	0.1	0.1	0.3	0.0	0.1	0.1	5.4	1.1	0.2	0.1	0.1	0.6
10....	0.1	0.1	0.3	0.1	0.1	0.0	2.7	0.4	0.2	0.1	0.1	0.4
11....	0.1	0.1	0.2	0.0	0.1	0.1	2.5	0.3	0.2	0.1	0.2	0.3
12....	0.1	0.1	0.2	0.1	0.1	0.0	0.4	0.2	0.2	0.1	0.1	0.3
13....	0.1	0.1	0.2	0.1	0.1	0.0	0.2	0.2	0.2	0.1	0.1	0.3
14....	0.1	0.2	0.2	0.1	0.1	0.1	4.3	0.2	0.2	0.3	0.1	0.4
15....	0.1	0.3	0.2	0.1	0.1	0.1	6.5	0.2	0.2	0.1	0.1	0.4
16....	0.1	0.3	0.2	0.1	0.1	0.1	8.0	0.2	0.2	0.1	0.1	0.2
17....	0.1	0.4	0.2	0.1	0.1	0.1	6.1	0.2	0.2	0.1	0.1	0.2
18....	0.1	0.3	0.2	0.1	0.1	0.1	6.5	0.1	0.3	0.1	0.1	0.3
19....	0.1	0.3	0.2	0.1	0.1	0.2	3.2	0.2	0.1	0.1	0.1	0.4
20....	0.1	0.3	0.2	0.1	0.2	0.1	5.0	0.1	0.1	0.1	0.1	0.2
21....	0.1	0.2	0.2	0.1	0.1	0.1	2.5	0.1	0.1	0.1	0.1	0.2
22....	0.1	0.3	0.2	0.2	0.1	0.1	3.2	0.2	0.1	0.1	0.1	0.2
23....	0.1	0.3	0.3	0.2	0.1	0.1	3.6	0.2	0.1	0.1	0.1	0.1
24....	0.1	0.3	0.3	0.2	0.1	0.1	1.0	0.2	0.1	0.1	0.1	0.2
25....	0.1	0.2	0.2	0.2	0.1	0.2	0.6	0.2	0.1	0.1	0.1	0.4
26....	0.1	0.2	0.2	0.1	0.1	0.2	2.1	0.2	0.1	0.1	0.1	0.3
27....	0.1	0.3	0.1	0.1	0.1	0.5	0.4	0.3	0.1	0.1	0.1	1.4
28....	0.1	0.2	0.2	0.1	0.1	1.2	0.4	0.4	0.1	0.1	0.1	0.6
29....	0.1	0.2	0.2	0.1	....	2.9	1.8	0.4	0.1	0.1	0.1	0.4
30....	0.1	0.3	0.1	0.1	....	3.2	3.4	0.7	0.1	0.1	0.1	0.2
31....	0.1	....	0.2	0.1	....	1.4	....	0.2	....	0.1	0.1	....
Total	3.1	5.9	6.7	3.8	2.6	11.7	137.5	33.6	15.1	3.3	3.9	8.9
Mean..	.10	.20	.22	.12	.09	.38	4.58	1.08	.50	.11	.13	.30
Max...	0.1	0.4	0.3	0.2	0.2	3.2	12	6.8	9.9	0.3	0.4	1.4
Min...	0.1	0.1	0.1	0	0	0	0.2	0.1	0.1	0.1	0.1	0.1
Acre-ft.	6.1	12	13	7.5	5.2	23	273	67	30	6.5	7.7	18

Total run-off for period=469 acre-feet.

Discharge of Ward Creek Near Cedaredge, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	10	36	1.0	0.2	0.2
2....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	6.7	30	1.0	0.2	0.2
3....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.2	43	1.2	0.2	0.2
4....	0.1	0.1	0.1	0.1	0.1	0.1	0.8	4.7	37	1.1	0.2	0.2
5....	0.1	0.1	0.1	0.1	0.1	0.1	1.4	17	37	1.0	0.2	0.2
6....	0.1	0.1	0.1	0.1	0.1	0.1	0.9	31	34	1.0	0.3	0.3
7....	0.1	0.1	0.1	0.1	0.1	0.1	1.0	36	33	1.0	0.5	0.3
8....	0.1	0.1	0.1	0.1	0.1	0.1	0.4	44	48	1.1	0.7	1.2
9....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	49	62	1.0	1.1	1.1
10....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	41	62	1.0	0.4	0.9
11....	0.1	0.1	0.1	0.1	0.1	0.1	0.5	50	57	1.0	0.3	0.9
12....	0.1	0.1	0.1	0.1	0.1	0.1	0.2	53	53	1.2	0.2	1.5
13....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	54	45	1.1	0.2	1.7
14....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	52	43	1.0	0.2	2.4
15....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	60	39	0.9	0.2	2.0
16....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	72	32	0.9	0.2	1.2
17....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	53	28	0.8	0.2	0.3
18....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	46	27	0.8	0.2	0.3
19....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	39	25	0.8	0.4	0.2
20....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	36	18	0.9	0.2	0.2
21....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	40	13	0.8	0.2	0.2
22....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	47	7.1	0.5	0.2	0.2
23....	0.1	0.1	0.1	0.1	0.1	0.1	0.4	51	5.4	0.5	0.2	0.2
24....	0.1	0.1	0.1	0.1	0.1	0.1	0.4	50	3.2	0.3	0.5	0.2
25....	0.1	0.1	0.1	0.1	0.1	0.1	0.4	45	3.2	0.2	0.3	0.2
26....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	43	4.7	0.2	0.2	0.2
27....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	42	3.4	0.2	0.2	0.2
28....	0.1	0.1	0.1	0.1	0.1	0.1	14	47	2.0	0.2	0.2	0.3
29....	0.1	0.1	0.1	0.1	0.1	0.1	6.9	49	1.5	0.3	0.2	0.3
30....	0.1	0.1	0.1	0.1	....	0.1	7.9	40	1.2	0.5	0.3	0.2
31....	0.1	....	0.1	0.1	....	0.1	....	40	....	0.2	0.2	....
Total	3.1	3.0	3.1	3.1	2.9	3.1	36.9	1251.6	833.7	23.7	9.0	17.6
Mean..	0.10	0.10	0.10	0.10	0.10	0.10	1.23	40.4	27.8	0.76	0.29	0.59
Max...	0.1	0.1	0.1	0.1	0.1	0.1	14	72	62	1.2	1.1	2.4
Min...	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.2	1.2	0.2	0.2	0.2
Acre-ft.	6.1	6.0	6.1	6.1	5.8	6.1	73	2480	1650	47	18	35

Total run-off for period=4,340 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of Ward Creek Below Deep Slough Reservoir Near Grand Mesa, Colo., for Year
Ending Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....								1.5	8.5	7.7	7.5
2....								1.8	8.5	7.9	6.0
3....								1.9	8.5	7.9	3.9
4....								1.5	8.3	7.9	2.3
5....								1.2	8.3	8.1	1.9
6....								1.4	8.1	8.5	1.4
7....								1.3	8.1	8.5	1.5
8....								1.3	8.1	8.7	1.4
9....								1.2	7.9	9.1	1.4
10....								1.2	7.7	10	1.4
11....								1.1	7.7	10	1.4
12....								1.1	7.7	10	1.4
13....								1.5	8.7	10	1.4
14....								1.9	9.7	10	1.4
15....								May 17	1.5	9.7	10	1.3
16....								to 31	1.4	9.7	10	1.3
17....								1.2	1.3	9.7	12	1.3
18....								1.2	1.2	9.5	17	1.3
19....								1.2	1.1	9.3	17	1.3
20....								1.2	1.1	9.3	17	1.0
21....								1.3	3.3	9.3	16	0.8
22....								1.4	10	8.9	16	1.1
23....								1.4	9.7	8.5	15	1.1
24....								1.4	11	8.5	15	1.1
25....								1.4	11	8.5	14	1.1
26....								1.4	11	8.7	13	1.1
27....								1.4	11	8.9	12	0.5
28....								1.4	9.5	8.9	11	0
29....								1.4	8.5	8.7	10	0
30....								1.6	8.7	7.9	9.3	0
31....								1.5	...	7.7	8.7	...
Total								20.4	121.2	267.5	347.3	48.6
Mean.								1.36	4.04	8.63	11.2	1.62
Max..								1.6	11	9.7	17	7.5
Min..								1.2	1.1	7.7	7.7	0
Acre-ft.								40	240	531	689	96

Total run-off for period=1,600 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Cottonwood Creek Near Cedaredge, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.3	0.2	0.3	0.2	0.4	0.7	0.5	0.0	0.0	0.0	0.1	0.0
2....	0.3	0.2	0.3	0.2	0.4	0.6	0.5	0.0	1.6	0.0	0.1	0.0
3....	0.3	0.2	0.2	0.2	0.4	0.7	0.5	0.0	1.6	0.0	0.1	0.0
4....	0.5	0.2	0.3	0.2	0.4	0.6	0.5	0.1	1.3	0.0	0.1	0.0
5....	0.2	0.2	0.3	0.1	0.4	0.8	0.4	0.1	1.0	0.0	0.1	0.0
6....	0.2	0.3	0.2	0.2	0.3	0.6	0.4	0.1	0.8	0.0	0.1	0.0
7....	0.2	0.2	0.2	0.2	0.3	0.7	0.4	0.1	0.4	0.0	0.9	0.0
8....	0.3	0.2	0.3	0.2	0.4	0.8	0.4	0.2	0.1	0.0	0.1	0.0
9....	0.2	0.2	0.2	0.2	0.4	1.8	0.4	0.2	0.0	0.0	0.2	0.0
10....	0.1	0.2	0.2	0.2	0.4	0.8	0.4	0.2	0.0	0.0	0.1	0.0
11....	0.1	0.3	0.3	0.2	0.3	0.8	0.4	0.2	0.0	0.0	0.3	0.1
12....	0.2	0.3	0.1	0.2	0.4	0.8	0.4	0.2	0.0	0.0	0.2	0.1
13....	0.4	0.3	0.1	0.2	0.4	0.8	0.4	0.2	0.0	0.0	0.2	0.0
14....	0.4	0.2	0.1	0.3	0.5	0.8	0.1	0.1	0.0	0.0	0.1	0.0
15....	0.3	0.2	0.1	0.3	0.6	0.9	0.0	0.1	0.0	0.0	0.1	0.0
16....	0.3	0.3	0.2	0.3	0.6	0.7	0.0	0.2	0.0	0.0	0.1	0.0
17....	0.3	0.2	0.1	0.3	0.7	0.6	0.0	0.3	0.0	0.0	0.1	0.0
18....	0.3	0.2	0.2	0.3	0.7	0.6	0.0	0.1	0.0	0.0	0.2	0.0
19....	0.4	0.3	0.1	0.0	0.7	0.7	0.0	0.1	0.0	0.0	0.2	0.0
20....	0.4	0.3	0.2	0.2	0.7	0.7	0.0	0.1	0.0	0.0	0.2	0.0
21....	0.4	0.3	0.2	0.4	0.7	0.6	0.0	0.1	0.0	0.0	0.2	0.0
22....	0.4	0.3	0.4	0.4	0.9	0.7	0.0	0.1	0.0	0.0	0.2	0.0
23....	0.4	0.3	0.3	0.4	0.7	0.7	0.0	0.1	0.0	0.0	0.2	0.0
24....	0.2	0.3	0.3	0.4	0.7	1.0	0.0	0.1	0.0	0.0	0.2	0.0
25....	0.1	0.3	0.3	0.3	0.7	0.8	0.0	0.0	0.0	0.0	0.2	0.0
26....	0.1	0.3	0.3	0.6	0.6	0.7	0.0	0.0	0.0	0.0	0.2	0.2
27....	0.1	0.3	0.1	0.4	0.6	0.9	0.0	0.0	0.0	0.0	0.1	0.1
28....	0.1	0.3	0.2	0.4	0.6	1.0	0.0	0.0	0.0	0.0	0.1	0.2
29....	0.2	0.2	0.2	0.4	....	0.8	0.0	0.0	0.0	0.0	0.1	0.1
30....	0.1	0.3	0.2	0.4	....	0.7	0.0	0.0	0.0	0.0	0.0	0.0
31....	0.1	....	0.2	0.5	....	0.6	....	0.0	....	0.0	0.0	....
Total	7.9	7.6	6.7	6.8	14.9	24.0	5.7	3.0	6.8	0.0	5.1	0.8
Mean..	.25	.25	.22	.28	.53	.77	.19	.10	.23	0.0	.16	.03
Max...	0.5	0.3	0.4	0.6	0.9	1.8	0.5	0.3	1.6	0.0	0.9	0.2
Min...	0.1	0.2	0.1	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.1	0.0
Acre-ft.	16	15	13	17	30	48	11	6.0	13	0.0	10	1.6

Total run-off for period=181 acre-feet.

Discharge of Cottonwood Creek Near Cedaredge, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0	0.1	0.1	0.1	0.4	0.7	1.2	1.8	7.8	1.4	0.1	0.5
2....	0	0.2	0.1	0.1	0.4	0.8	1.1	1.3	6.9	1.2	0	0.6
3....	0	0.3	0.1	0.2	0.5	0.8	1.8	0.9	13	1.1	0.1	0.5
4....	0	0.4	0.1	0.1	0.5	0.6	2.2	0.7	8.2	0.9	0.1	0.6
5....	0	0.4	0.1	0.1	0.5	0.7	2.6	0.9	12	0.7	0.4	0.8
6....	0	0.3	0.1	0.3	0.6	0.7	2.1	1.3	16	0.6	0.9	0.4
7....	0	0.3	0.1	0.3	0.8	0.7	1.9	2.9	9.6	0.8	0.8	0.1
8....	0	0.4	0.2	0.3	0.7	0.8	1.3	5.2	10	0.9	0.8	0
9....	0	0.4	0.1	0.3	0.6	0.8	1.4	7.3	13	0.8	0.7	0
10....	0	0.2	0.2	0.3	0.6	0.7	1.0	4.7	15	0.7	0.7	0
11....	0	0.1	0.2	0.3	0.5	0.8	0.3	8.8	16	0.6	0.5	0
12....	0	0.1	0.2	0.4	0.6	0.5	0.3	9.4	14	0.5	0.3	0
13....	0	0.1	0.2	0.3	0.6	0.5	0.4	14	12	0.4	0.2	0
14....	0	0.1	0.2	0.3	0.7	0.6	0.4	15	11	0.3	0.1	0
15....	0	0.1	0.2	0.3	0.9	0.3	0.2	25	9.2	0.2	0.2	0
16....	0	0.1	0.2	0.3	1.0	0.4	0.4	29	9.0	0.2	0.2	0
17....	0	0.1	0.2	0.3	0.8	0.3	1.0	22	8.0	0.2	0.3	0
18....	0	0.1	0.2	0.3	0.8	0.4	1.0	9.2	6.2	0.3	0.4	0
19....	0	0.1	0.3	0.4	1.0	0.3	1.0	6.7	5.5	0.2	0.2	0
20....	0	0.1	0.3	0.4	0.9	0.4	1.0	7.6	5.9	0.2	0.3	0.1
21....	0	0.1	0.2	0.4	1.0	0.4	0.6	9.2	1.9	0.3	0.1	0.1
22....	0	0.1	0.2	0.5	0.9	0.4	0.8	14	1.2	0.4	0	0.1
23....	0	0.1	0.2	0.6	1.0	0.5	1.0	16	0.4	0.6	0	0
24....	0	0.1	0.2	0.6	1.0	0.6	0.7	17	0.7	1.3	0	0
25....	0	0.2	0.2	0.5	0.9	0.5	0.7	15	0.7	1.0	0	0
26....	0	0.2	0.2	0.6	0.9	0.5	0.7	18	1.6	1.0	0	0.1
27....	0	0.1	0.1	0.6	1.0	0.5	0.6	16	2.3	1.0	0	0
28....	0	0.1	0.2	0.5	0.9	0.5	6.2	18	2.5	0.6	0	0
29....	0	0.1	0.1	0.5	1.0	0.4	4.2	19	2.1	0.4	0	0.2
30....	0.2	0.1	0.2	0.5	....	0.6	2.2	20	1.7	0.1	0.1	0.2
31....	0.1	....	0.2	0.5	....	1.1	....	12	....	0.1	0.4	....
Total	0.3	5.2	5.4	11.2	22.0	17.8	40.3	347.9	223.4	19.0	7.9	4.3
Mean..	0.01	0.17	0.17	0.36	0.76	0.57	1.34	11.2	7.45	0.61	0.25	0.14
Max...	0.2	0.4	0.3	0.6	1.0	1.1	6.2	29	16	1.4	0.9	0.8
Min...	0	0.1	0.1	0.1	0.4	0.3	0.2	0.7	0.4	0.1	0	0
Acre-ft.	0.6	10	11	22	44	35	80	690	443	38	16	8.5

Total run-off for period=1,400 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Youngs Creek Near Cedaredge, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.3	0.5	0.0	0.1	0.1	0.1	0.1	4.3	1.8	0.6	0.2	0.0
2....	0.3	0.5	0.0	0.1	0.1	0.1	0.1	3.3	5.9	0.5	0.1	0.1
3....	0.3	0.5	0.0	0.1	0.1	0.1	0.1	3.2	2.2	0.5	0.1	0.0
4....	0.3	0.5	0.0	0.1	0.1	0.1	0.1	4.3	2.0	0.5	0.1	0.0
5....	0.3	0.5	0.0	0.1	0.1	0.1	0.1	4.3	1.8	0.5	0.1	0.0
6....	0.3	0.5	0.0	0.1	0.1	0.1	0.1	3.1	1.5	0.5	0.1	0.0
7....	0.3	0.5	0.0	0.1	0.1	0.1	0.1	1.6	1.1	0.5	0.1	0.0
8....	0.3	0.5	0.0	0.1	0.1	0.1	0.1	1.1	1.2	0.5	0.1	0.0
9....	0.3	0.5	0.0	0.1	0.1	0.1	0.1	0.3	0.6	0.5	0.1	0.1
10....	0.3	0.5	0.0	0.1	0.1	0.1	0.1	0.3	0.6	0.5	0.1	0.3
11....	0.3	0.5	0.0	0.1	0.1	0.1	0.1	0.3	0.8	0.5	0.1	0.1
12....	0.3	0.5	0.0	0.1	0.1	0.1	0.1	0.3	0.5	0.4	0.1	0.0
13....	0.4	0.5	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.4	0.1	0.0
14....	0.4	0.5	0.0	0.1	0.1	0.1	0.1	0.3	0.3	0.4	0.1	0.0
15....	0.4	0.5	0.0	0.1	0.1	0.1	0.1	0.4	0.1	0.5	0.0	0.1
16....	0.4	0.5	0.0	0.1	0.1	0.1	0.2	0.3	0.1	0.5	0.1	0.0
17....	0.4	0.5	0.0	0.1	0.1	0.1	0.1	0.7	0.1	0.5	0.1	0.1
18....	0.4	0.5	0.0	0.1	0.1	0.1	0.3	0.8	0.2	0.5	0.1	0.1
19....	0.4	0.5	0.0	0.1	0.1	0.1	1.8	0.4	0.5	0.1	0.2	0.1
20....	0.4	0.5	0.0	0.1	0.1	0.1	2.8	0.3	0.2	0.1	0.1	0.1
21....	0.4	0.5	0.0	0.1	0.1	0.1	1.4	0.5	0.4	0.1	0.1	0.1
22....	0.5	0.5	0.0	0.1	0.1	0.1	2.0	1.0	0.2	0.1	0.1	0.1
23....	0.5	0.5	0.0	0.1	0.1	0.1	1.0	0.8	0.8	0.1	0.1	0.1
24....	0.4	0.5	0.0	0.1	0.1	0.1	1.0	1.1	0.5	0.1	0.1	0.1
25....	0.4	0.5	0.0	0.1	0.1	0.1	1.0	0.7	0.7	0.1	0.1	0.1
26....	0.4	0.4	0.1	0.1	0.1	0.1	2.1	0.3	0.6	0.1	0.1	0.1
27....	0.5	0.4	0.0	0.1	0.1	0.1	1.6	0.4	0.6	0.1	0.1	0.1
28....	0.5	0.4	0.1	0.1	0.1	0.1	2.1	0.3	0.6	0.1	0.1	0.1
29....	0.5	0.2	0.1	0.1	....	0.1	2.2	2.5	0.6	0.1	0.1	0.1
30....	0.5	0.1	0.1	0.1	....	0.1	3.3	3.1	0.6	0.1	0.7	0.1
31....	0.5	....	0.1	0.1	....	0.1	....	2.1	....	0.1	0.2	....
Total	11.9	14.0	0.5	3.1	2.8	3.1	24.4	42.8	27.4	10.1	3.9	2.1
Mean.	.38	.47	.02	.10	.10	.10	.81	1.38	.91	.33	.13	.07
Max.	0.5	0.5	0.1	0.1	0.1	0.1	3.3	4.3	5.9	0.6	0.7	0.3
Min.	0.3	0.1	0	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0	0
Acre-ft.	24	28	10	6.1	5.6	6.1	48	85	54	20	7.7	4.2

Total run-off for period=290 acre-feet.

Discharge of Youngs Creek Near Cedaredge, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.1	0.2	0.2	0.2	0.2	0.2	0.3	5.1	8.8	0.5	0.2	0.1
2....	0.1	0.2	0.2	0.3	0.2	0.2	0.3	3.6	8.3	0.5	0.2	0.1
3....	0.1	0.2	0.2	0.2	0.2	0.2	0.4	3.1	8.0	0.6	0.2	0.1
4....	0.1	0.2	0.2	0.1	0.2	0.2	0.4	3.9	4.9	0.6	0.2	0.1
5....	0.1	0.2	0.2	0.1	0.2	0.2	0.5	7.8	5.6	0.5	0.2	0.1
6....	0.1	0.2	0.2	0.1	0.2	0.2	0.5	13	11	0.5	0.2	0.1
7....	0.1	0.2	0.2	0.2	0.2	0.2	0.5	19	22	0.5	0.1	0.1
8....	0.1	0.1	0.2	0.1	0.2	0.2	0.6	17	17	0.5	0.1	0.1
9....	0.1	0.2	0.2	0.1	0.2	0.3	0.7	16	35	0.5	0.1	0.1
10....	0.1	0.2	0.2	0.1	0.2	0.3	0.4	24	41	0.5	0.1	0.1
11....	0.2	0.2	0.2	0.2	0.2	0.4	0.4	34	40	0.5	0.1	0.1
12....	0.3	0.2	0.2	0.2	0.2	0.3	1.3	40	38	0.6	0.1	0.1
13....	1.1	0.2	0.2	0.1	0.2	0.3	1.5	45	32	0.6	0.1	0.1
14....	0.5	0.2	0.2	0.1	0.2	0.3	0.7	47	24	0.5	0.1	0.1
15....	0.1	0.2	0.2	0.2	0.2	0.3	1.1	66	18	0.4	0.2	0.1
16....	0.1	0.2	0.2	0.2	0.2	0.3	1.4	67	6.9	0.4	0.1	0.1
17....	0.1	0.2	0.2	0.2	0.2	0.4	1.2	40	4.2	0.3	0	0.1
18....	0.1	0.2	0.2	0.2	0.1	0.3	0.8	30	1.4	0.3	0	0.1
19....	0.1	0.2	0.2	0.2	0.2	0.3	0.5	30	1.5	0.3	0.1	0.1
20....	0.1	0.2	0.2	0.2	0.2	0.3	0.5	33	1.4	0.3	0	0.1
21....	0.1	0.2	0.2	0.2	0.2	0.3	0.5	34	2.6	0.2	0.1	0.1
22....	0.1	0.2	0.2	0.2	0.2	0.3	0.5	38	2.2	0.2	0.1	0.1
23....	0.1	0.2	0.2	0.2	0.2	0.3	0.5	45	1.0	0.2	0.1	0.1
24....	0.1	0.2	0.2	0.2	0.2	0.4	1.2	45	0.8	0.3	0	0.1
25....	0.1	0.2	0.2	0.2	0.2	0.3	2.1	34	0.8	0.3	0.1	0.1
26....	0.1	0.2	0.2	0.2	0.2	0.3	2.4	17	0.8	0.3	0.1	0.1
27....	0.1	0.2	0.2	0.2	0.2	0.3	2.5	12	0.8	1.8	0	0.1
28....	0.1	0.2	0.1	0.2	0.2	0.3	9.5	13	0.8	0.2	0	0.1
29....	0.3	0.2	0.2	0.2	0.2	0.4	4.6	13	0.7	0.2	0	0.1
30....	0.3	0.2	0.2	0.2	....	0.4	5.7	11	0.5	0.2	0.1	0.1
31....	0.2	....	0.2	0.2	....	0.4	....	11	....	0.3	0.1	....
Total	5.3	5.9	6.1	5.5	5.7	9.1	43.5	817.5	340.0	13.6	3.1	3.0
Mean.	0.17	0.20	0.20	0.18	0.20	0.29	1.45	26.4	11.3	0.44	0.10	0.10
Max.	1.1	0.2	0.2	0.3	0.2	0.4	9.5	67	41	1.8	0.2	0.1
Min.	0.1	0.1	0.1	0.1	0.1	0.2	0.3	3.1	0.5	0.2	0	0.1
Acre-ft.	11	12	12	11	11	18	86	1620	674	27	6.1	6.0

Total run-off for period=2,490 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Uncompahgre River at Colona, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	90	113	80	82	82	90	140	548	565	806	158	514
2....	90	113	88	85	85	88	161	514	1070	624	231	405
3....	90	113	88	78	85	70	199	554	708	531	296	345
4....	90	113	90	68	72	90	223	571	508	514	231	300
5....	90	102	80	64	88	88	227	470	420	470	246	267
6....	90	108	80	84	80	72	263	363	410	420	283	243
7....	88	105	70	72	88	90	259	455	460	363	267	231
8....	88	105	102	64	90	85	211	354	636	358	283	212
9....	88	102	90	68	92	98	179	331	790	336	327	194
10....	90	90	95	75	80	108	161	336	830	327	345	194
11....	95	82	90	72	75	98	131	349	776	309	450	180
12....	102	80	80	68	90	92	125	331	684	279	434	167
13....	105	80	85	69	75	90	134	314	588	279	368	167
14....	113	78	90	76	80	92	195	271	460	279	318	170
15....	131	95	92	78	90	92	255	224	424	349	300	158
16....	116	100	92	72	98	75	251	194	470	309	354	148
17....	105	98	92	75	102	82	239	184	606	262	460	142
18....	105	100	92	82	108	90	235	198	741	246	583	136
19....	113	95	92	72	113	75	251	184	727	224	660	127
20....	113	95	90	96	116	82	295	177	776	224	450	113
21....	113	90	88	140	116	78	283	198	894	327	405	102
22....	110	75	88	135	128	90	326	184	910	349	486	97
23....	105	80	92	108	125	95	390	177	918	309	439	90
24....	105	88	95	100	105	92	468	271	918	279	571	90
25....	105	90	95	95	102	100	350	415	1040	267	666	90
26....	105	75	95	75	98	98	336	508	1010	254	424	88
27....	105	92	85	92	98	108	308	372	886	220	396	110
28....	105	90	82	88	98	122	354	476	814	191	358	148
29....	116	78	90	85	....	158	410	720	748	184	381	102
30....	113	90	80	85	....	191	481	577	748	170	666	100
31....	110	....	80	85	....	154	....	559	....	170	714	....
Total	3184	2815	2728	2588	2659	3033	7840	11379	21535	10229	12550	5430
Mean.	10.3	93.8	88.0	83.5	95.0	97.8	261	367	718	330	405	181
Max.	131	113	102	140	128	191	481	720	1070	806	714	514
Min.	88	75	70	64	72	70	125	177	410	170	158	88
Acre-ft.	6320	5580	5410	5130	5270	6020	15550	22570	42710	20290	24890	10770

Total run-off for period=170,500 acre-feet.

Discharge of Uncompahgre River at Colona, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	97	133	95	76	69	82	102	271	1380	1470	372	110
2....	97	121	108	71	68	90	92	250	1290	1570	327	118
3....	95	133	95	76	65	86	124	209	1270	1760	284	115
4....	90	133	110	74	69	80	167	180	914	1470	254	108
5....	86	130	115	68	69	74	212	243	708	1660	236	105
6....	88	127	115	72	71	68	216	381	708	1540	215	98
7....	88	108	108	74	72	65	239	577	1000	1290	206	90
8....	88	102	108	68	68	64	187	606	1030	1130	203	84
9....	88	118	108	64	68	74	191	769	1220	1190	203	82
10....	86	127	100	64	61	88	174	862	1350	1090	241	80
11....	95	127	90	66	62	97	167	854	1310	977	210	76
12....	118	124	90	70	65	100	227	1240	1330	923	199	73
13....	110	127	102	74	71	97	239	1640	1100	905	179	71
14....	130	124	100	78	65	95	174	1640	1230	808	176	73
15....	124	121	86	79	72	71	154	1940	1310	748	164	80
16....	118	115	90	80	69	69	170	1960	1270	665	152	78
17....	108	118	86	80	71	86	158	1580	923	679	146	76
18....	102	121	88	81	69	105	154	1100	1180	637	149	75
19....	133	118	100	78	66	88	167	958	1420	637	149	71
20....	133	115	98	75	68	92	164	974	1550	820	131	71
21....	127	108	95	70	71	84	154	982	1770	708	125	71
22....	136	115	90	66	66	76	145	1160	1820	644	125	71
23....	130	124	90	66	71	78	139	1490	1630	616	120	69
24....	121	118	88	68	71	92	170	1440	1770	732	134	69
25....	124	118	76	69	72	105	170	1210	1620	693	170	69
26....	121	105	78	69	69	97	154	1120	1780	616	149	73
27....	118	86	82	71	66	82	194	1010	1550	567	131	76
28....	121	95	71	71	66	76	405	1050	1720	542	128	76
29....	139	95	76	69	71	68	340	1260	1660	506	118	75
30....	142	92	88	69	....	80	318	1480	1540	464	115	71
31....	136	....	86	69	....	102	....	1410	....	420	110	....
Total	3489	3498	2912	2225	1981	2611	5667	31946	40353	28547	5621	2454
Mean.	113	117	93.9	71.8	68.3	84.2	189	1031	1345	922	181	81.8
Max.	142	133	115	81	72	105	405	1960	1820	1760	372	118
Min.	86	86	71	64	61	64	92	180	708	420	110	69
Acre-ft.	6920	6940	5780	4410	3930	5180	11240	63360	80040	56620	11150	4870

Total run-off for period=260,400 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Uncompahgre River at Delta, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	325	404	110	96	76	59	248	220	145	335	162	923
2....	272	350	105	84	67	62	244	260	404	268	292	770
3....	268	216	105	62	70	66	256	370	682	260	410	690
4....	256	176	105	62	64	95	280	600	335	228	350	554
5....	264	176	115	61	58	66	264	896	204	216	335	410
6....	276	180	115	55	59	62	256	682	325	196	380	320
7....	296	176	110	72	62	62	260	806	618	170	540	256
8....	292	173	110	64	85	66	240	754	690	162	690	180
9....	296	173	115	85	76	64	232	770	477	156	650	260
10....	305	166	120	69	56	61	148	626	380	152	533	310
11....	325	166	125	70	62	66	142	547	325	152	860	296
12....	335	156	120	67	55	66	115	491	280	148	1100	288
13....	404	152	120	69	58	64	81	410	320	148	824	325
14....	452	156	115	61	64	62	72	416	264	145	730	362
15....	533	148	110	69	64	62	105	398	284	248	690	345
16....	561	127	105	76	77	59	110	362	284	272	1100	330
17....	512	142	105	62	74	216	112	288	362	220	1070	310
18....	505	142	105	56	64	252	85	200	470	170	1560	284
19....	519	142	110	54	55	240	118	196	428	188	1650	268
20....	491	136	110	60	79	228	142	159	458	166	1320	264
21....	512	139	110	74	64	212	142	170	519	204	722	244
22....	519	133	110	105	64	228	184	159	446	220	977	236
23....	505	130	110	98	74	236	325	152	484	230	706	236
24....	484	127	115	92	72	216	428	152	446	204	905	236
25....	440	133	115	77	64	192	292	184	464	188	1430	276
26....	434	121	110	72	67	152	300	224	533	175	779	300
27....	434	121	110	70	67	200	260	180	491	150	618	330
28....	404	121	110	62	64	200	240	176	404	140	526	540
29....	458	118	110	59	....	232	264	216	335	136	746	386
30....	428	115	115	59	....	272	190	244	368	173	968	325
31....	398	....	94	76	....	236	....	173	....	156	1420	....
Total	12503	4915	3444	2198	1861	4354	6135	11481	12225	5976	25043	10854
Mean.	403	164	111	70.9	66.5	140	204	370	408	193	808	362
Max.	561	404	125	105	85	272	428	896	690	335	1650	923
Min.	256	115	94	54	55	59	72	152	145	136	162	180
Ac.-ft.	24800	9750	6830	4360	3690	8640	12170	22770	24250	11850	49670	21530

Total run-off for period=200,300 acre-feet.

Discharge of Uncompahgre River at Delta, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	317	450	125	79	102	90	209	840	435	988	206	173
2....	322	455	134	74	112	79	216	410	706	1060	186	166
3....	322	533	130	90	121	96	238	420	1520	880	160	170
4....	322	572	116	112	125	94	250	350	1170	832	150	160
5....	317	455	130	100	128	82	317	298	502	952	147	170
6....	322	425	163	104	130	81	307	440	618	880	139	166
7....	326	380	176	92	125	70	410	961	898	713	160	179
8....	326	380	160	90	115	98	385	1380	1420	430	147	170
9....	341	400	160	121	105	212	410	1070	1120	520	163	165
10....	360	370	166	116	98	212	341	1400	1110	800	163	170
11....	440	350	160	100	104	238	254	1360	997	600	155	175
12....	578	331	150	114	105	258	312	1670	1010	460	160	182
13....	572	322	160	90	108	262	322	1830	624	300	152	206
14....	450	380	150	69	108	322	326	2120	618	260	150	223
15....	440	445	125	76	110	206	271	2900	678	330	179	209
16....	400	289	122	76	86	84	360	3240	657	307	170	199
17....	365	195	120	70	86	76	559	2500	445	290	160	226
18....	370	179	121	70	98	155	226	1030	370	246	173	219
19....	420	182	142	105	86	307	139	533	824	246	192	223
20....	460	173	142	150	87	360	202	776	1030	585	166	230
21....	450	155	142	121	110	360	303	496	1230	540	163	266
22....	420	155	144	116	106	298	322	740	678	514	170	284
23....	472	144	132	132	96	312	312	1060	692	514	173	284
24....	472	127	127	139	98	331	303	934	832	644	166	294
25....	478	122	114	127	114	346	294	566	925	776	182	307
26....	450	132	113	115	104	346	258	664	1060	792	173	322
27....	400	134	98	106	119	326	246	566	1280	650	160	341
28....	380	116	82	106	90	289	898	526	1150	598	176	350
29....	415	114	76	108	89	266	1210	720	1040	445	176	360
30....	435	125	79	108	....	262	979	1020	872	375	173	370
31....	450	....	86	121	....	271	....	744	....	336	173	....
Total	12592	8590	4045	3197	3065	6789	11179	33564	26511	17863	5163	6959
Mean.	406	286	130	103	106	219	373	1083	884	576	167	232
Max.	578	572	176	150	130	360	1210	3240	1520	1060	206	370
Min.	317	114	76	69	86	70	139	298	370	246	139	160
Ac.-ft.	24980	17040	8020	6340	6080	13470	22170	66570	52580	35430	10240	13800

Total run-off for period=276,700 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Roubideau Creek Near Delta, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	99	97	59	39	74	40	53	720	140	60	109	136
2....	102	88	57	40	74	35	39	560	206	60	116	116
3....	118	63	54	37	74	34	45	513	258	56	124	99
4....	120	74	55	32	66	30	74	624	232	62	126	94
5....	116	74	56	30	69	37	95	748	206	56	136	80
6....	113	74	57	30	63	40	92	592	194	50	164	73
7....	102	62	54	40	64	41	102	528	206	47	166	47
8....	100	54	62	36	70	38	94	499	184	46	162	43
9....	99	52	64	53	66	35	104	443	154	47	146	59
10....	92	62	67	55	67	37	107	391	134	45	166	90
11....	107	62	54	56	69	40	84	355	128	48	218	100
12....	109	64	49	64	72	38	80	322	111	48	194	106
13....	126	63	47	64	72	34	64	295	113	47	150	94
14....	138	63	45	67	67	38	70	240	115	46	160	94
15....	126	60	45	69	60	40	118	210	102	54	168	94
16....	90	70	42	69	57	40	162	182	97	64	130	92
17....	82	85	41	64	57	43	184	170	87	66	232	79
18....	107	72	43	52	55	60	212	162	76	60	204	78
19....	109	63	40	44	47	72	270	148	73	57	209	80
20....	109	54	40	55	43	84	376	132	80	57	168	84
21....	94	49	41	65	45	79	485	130	79	59	138	97
22....	80	49	43	85	47	79	536	132	73	64	144	111
23....	79	47	43	95	46	76	612	126	73	67	160	118
24....	82	45	45	92	48	82	724	130	60	59	152	136
25....	76	47	47	80	49	87	676	142	55	59	134	136
26....	64	52	47	78	47	104	660	152	62	59	150	144
27....	64	54	44	78	44	97	616	138	63	54	142	142
28....	67	59	42	79	42	97	656	132	56	55	152	144
29....	80	62	43	78	....	88	728	140	52	57	154	144
30....	79	56	40	78	....	84	772	154	62	90	120	146
31....	90	....	40	79	....	74	....	140	....	106	140	....
Total	3019	1876	1506	1883	1654	1803	8890	9350	3531	1805	4834	3056
Mean.	97.4	62.5	48.6	60.7	59.1	58.2	296	302	118	58.2	156	102
Max..	138	97	67	95	74	104	772	748	258	106	232	146
Min..	64	45	40	30	42	30	39	126	52	45	109	43
Acre-ft.	5990	3720	2990	3730	3280	3580	17630	18550	7000	3580	9590	6060

Total run-off for period=85,700 acre-feet.

Discharge of Roubideau Creek Near Delta, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	144	122	63	50	36	29	48	126	676	114	60	50
2....	138	118	63	49	37	28	47	146	576	112	58	48
3....	134	92	60	49	37	28	49	142	734	100	62	50
4....	144	92	64	49	35	30	56	124	522	96	62	48
5....	138	116	67	41	35	32	63	124	487	98	56	44
6....	134	106	66	43	34	32	69	176	459	82	64	45
7....	126	106	59	43	34	29	60	313	508	64	62	45
8....	128	102	57	40	35	29	64	436	566	56	69	48
9....	136	80	55	36	39	40	67	580	476	61	74	50
10....	134	84	55	37	35	44	74	760	484	60	80	58
11....	142	115	47	42	31	43	74	788	433	60	69	62
12....	126	111	48	45	32	40	76	1000	382	67	72	87
13....	102	94	54	48	31	44	120	1180	310	66	67	102
14....	100	80	56	48	28	56	118	1360	270	60	67	85
15....	87	78	57	48	30	66	104	1560	255	58	69	108
16....	87	74	60	47	30	49	122	1470	250	70	70	134
17....	92	73	53	47	34	38	164	1320	231	74	67	144
18....	90	67	55	45	34	30	148	904	211	69	70	150
19....	118	62	57	39	31	45	120	720	189	62	78	154
20....	120	63	72	38	33	48	146	924	178	74	78	154
21....	111	66	73	38	34	47	164	952	168	106	72	148
22....	111	66	64	38	31	60	162	1070	156	91	74	132
23....	118	73	54	39	31	63	154	1180	148	124	70	130
24....	118	69	52	41	34	59	146	1180	136	154	66	126
25....	109	67	52	42	36	52	138	1040	144	164	85	128
26....	116	64	54	41	33	50	116	900	156	150	87	140
27....	115	54	50	37	32	47	102	700	132	126	87	142
28....	107	56	47	37	30	49	180	668	142	108	78	144
29....	109	62	47	38	30	64	180	752	132	93	74	146
30....	118	60	49	36	....	60	130	716	128	93	69	138
31....	120	....	46	36	....	53	....	696	....	74	58	....
Total	3672	2472	1756	1307	962	1384	3261	24007	9639	2786	2174	3040
Mean.	118	82.4	56.6	42.2	33.2	44.6	109	774	321	89.9	70.1	101
Max..	144	122	73	50	39	66	180	1560	734	164	87	154
Min..	87	54	46	36	28	28	47	124	128	56	56	44
Acre-ft.	7280	4900	3480	2590	1910	2750	6470	47620	19120	5530	4310	6030

Total run-off for period=112,000 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Kannah Creek Near Whitewater, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	14	8.0	7.4	7.0	4.6	4.8	12	232	62	16	11	15
2....	12	8.5	7.4	7.4	4.7	4.5	12	204	139	14	14	13
3....	12	8.5	7.4	6.8	4.7	4.2	16	192	107	15	12	12
4....	6.8	8.5	7.4	6.2	4.4	4.5	17	172	94	14	11	14
5....	6.3	7.4	7.4	6.0	4.5	4.9	19	136	66	25	10	15
6....	5.8	9.4	5.8	6.4	4.5	4.5	19	109	59	29	11	14
7....	5.8	8.0	5.0	5.9	4.3	4.9	19	81	48	29	8.2	13
8....	5.8	8.5	6.5	4.8	4.5	4.9	16	64	45	29	8.2	11
9....	5.8	8.5	7.5	5.0	4.6	5.2	14	62	43	30	6.9	9.4
10....	6.3	6.8	7.4	5.4	4.5	5.5	12	64	40	30	6.2	7.5
11....	6.8	10	7.4	5.4	3.9	6.4	10	68	40	28	9.4	7.5
12....	6.8	10	6.4	4.9	4.2	6.2	11	79	38	30	16	6.9
13....	10	10	6.8	4.7	4.0	6.0	14	79	37	32	11	5.3
14....	8.5	9.4	7.0	5.0	3.8	6.0	18	57	35	31	7.5	5.3
15....	7.4	9.4	7.1	5.3	4.0	6.2	23	50	34	29	6.9	4.6
16....	7.4	9.4	7.1	5.3	*4.2	8.8	28	45	30	28	9.4	4.6
17....	7.4	9.4	7.0	5.3	4.4	13	28	42	27	26	9.4	4.6
18....	8.0	8.5	7.0	*4.4	4.6	6.9	25	45	24	28	13	4.6
19....	8.0	9.4	6.8	4.0	4.7	8.8	31	42	23	24	23	4.6
20....	7.4	9.2	6.8	4.1	4.8	13	38	48	23	22	15	4.3
21....	7.4	8.4	6.6	4.9	5.0	12	50	57	20	22	12	8.8
22....	7.4	8.0	6.6	5.8	5.2	5.3	68	61	19	23	12	8.2
23....	7.4	8.5	6.7	5.6	5.2	4.6	98	68	18	22	11	8.2
24....	7.4	8.8	6.8	5.2	5.0	6.2	116	91	18	20	12	8.2
25....	7.4	8.8	6.9	4.8	4.7	8.2	116	83	18	15	12	8.2
26....	7.4	8.4	6.8	4.5	4.7	8.2	122	64	18	10	13	10
27....	7.4	8.2	6.6	3.9	4.7	10	134	62	17	6.9	15	20
28....	7.4	8.0	6.4	4.5	4.8	11	142	64	17	6.2	16	19
29....	8.5	7.8	6.6	4.7	....	14	212	91	17	7.5	16	20
30....	7.4	8.5	6.6	4.7	....	15	286	155	17	15	17	23
31....	7.4	7.4	6.4	4.6	....	13	....	70	....	11	18	....
Total	240.8	260.2	211.6	162.5	127.2	236.7	1726	2737	1193	667.6	373.1	309.8
Mean	7.77	8.67	6.83	5.24	4.54	7.64	57.5	88.3	39.8	21.5	12.0	10.3
Max.	14	10	7.5	7.4	5.2	15	286	232	139	32	23	23
Min.	5.8	6.8	5.0	4.0	3.8	4.2	10	42	17	6.2	6.2	4.3
Acre-ft.	478	516	420	322	252	469	3420	5430	2370	1320	740	614

Total run-off for period=16,350 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Kannah Creek Near Whitewater, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	23	6.4	6.4	3.9	4.1	4.3	3.2	14	548	61	26	23
2....	20	5.8	6.4	3.8	4.2	4.3	3.2	14	434	57	18	22
3....	20	8.2	6.2	3.9	4.2	4.3	4.0	11	342	55	13	12
4....	19	7.0	6.0	4.0	4.2	*4.4	6.4	10	276	55	11	15
5....	18	6.4	5.8	3.9	4.2	4.3	8.2	12	296	50	11	16
6....	17	7.6	6.4	3.8	4.3	4.3	8.8	29	347	45	10	17
7....	17	7.4	6.4	3.8	4.4	4.2	10	42	316	40	14	23
8....	15	7.2	6.4	3.9	4.7	4.2	7.6	48	358	37	17	23
9....	11	8.0	5.8	4.1	5.2	4.2	4.0	61	490	35	19	22
10....	6.4	8.2	5.8	4.2	5.2	4.3	3.5	64	456	31	24	19
11....	6.4	8.2	5.8	4.2	5.0	4.4	5.8	76	380	29	24	18
12....	7.6	7.6	5.8	4.2	5.0	4.6	7.0	87	286	34	23	17
13....	7.0	7.0	6.0	4.1	5.2	4.7	5.8	107	286	31	24	16
14....	6.4	7.0	5.8	4.2	*5.2	4.7	3.8	136	258	28	45	10
15....	6.4	5.8	5.6	4.4	5.0	4.9	3.8	161	258	28	48	8.2
16....	6.4	5.8	5.4	4.5	4.9	5.0	3.5	196	228	27	46	8.2
17....	5.8	5.8	5.2	4.4	4.8	5.0	3.2	168	172	28	42	7.0
18....	5.8	5.8	5.0	4.4	5.0	5.2	3.2	136	165	29	42	5.2
19....	13	5.8	4.8	4.0	5.0	5.2	3.5	129	185	31	42	8.2
20....	8.2	5.8	4.6	3.8	5.0	5.2	3.8	142	182	37	43	7.6
21....	7.6	5.8	4.0	3.9	4.8	4.0	3.5	175	165	32	40	7.6
22....	7.6	7.0	4.0	3.8	4.6	3.5	3.5	241	144	32	40	7.0
23....	7.6	7.6	4.0	*3.7	4.6	3.2	5.2	326	120	31	40	7.0
24....	6.4	6.4	4.0	*3.7	4.4	3.5	5.8	402	109	29	45	7.0
25....	7.0	5.8	4.0	3.7	4.3	3.8	4.6	423	100	35	45	6.4
26....	5.8	5.8	4.0	3.8	4.3	3.8	4.6	468	109	34	45	5.2
27....	6.4	6.4	4.0	3.9	4.3	3.8	7.6	445	89	29	45	4.0
28....	7.0	6.0	3.9	4.0	4.3	3.8	12	496	74	28	34	7.6
29....	9.4	6.0	3.9	3.9	4.2	3.6	12	583	64	28	34	7.6
30....	8.8	6.0	3.9	3.9	....	3.4	11	577	62	27	31	7.0
31....	8.2	....	3.9	4.0	....	3.3	....	571	....	26	26	....
Total	321.2	199.6	159.2	123.8	134.6	131.4	172.1	6350	7299	1099	967	363.8
Mean	10.4	6.65	5.14	3.99	4.64	4.24	5.74	205	243	35.5	31.2	12.1
Max.	23	8.2	6.4	4.5	5.2	5.2	12	583	548	61	48	23
Min.	5.8	5.8	3.9	3.8	4.1	3.2	3.2	10	62	26	10	4.0
Acre-ft.	637	396	316	246	267	261	341	12600	14480	2180	1920	722

Total run-off for period=34,370 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Dolores River at Dolores, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	87	66	47	43	41	68	365	3180	1760	579	281	426
2.....	88	67	60	43	40	68	456	3060	2480	524	236	336
3.....	88	66	55	42	38	70	587	3100	1880	462	270	274
4.....	88	66	52	42	38	70	709	3510	1380	412	215	233
5.....	87	59	43	42	39	70	837	2960	1200	369	190	209
6.....	86	61	43	41	38	66	1040	2270	1180	336	196	188
7.....	87	61	42	41	36	62	1110	2080	1310	306	250	172
8.....	87	57	41	41	38	64	873	1730	1490	295	183	159
9.....	87	58	44	41	39	78	721	1380	1620	288	164	149
10.....	87	54	46	41	38	90	561	1260	1610	267	270	139
11.....	90	56	46	40	38	88	456	1280	1620	243	399	132
12.....	76	56	45	40	38	86	392	1400	1430	224	357	118
13.....	84	54	44	40	38	84	468	1470	1250	233	263	114
14.....	90	60	44	40	38	85	687	1260	1070	281	209	132
15.....	80	75	44	40	38	87	970	1090	972	299	183	121
16.....	80	60	44	41	38	82	1070	1030	986	270	233	108
17.....	82	52	44	42	38	80	1000	1030	1000	250	224	104
18.....	80	52	*44	40	40	85	1110	1050	1040	253	292	103
19.....	76	52	44	37	42	81	1380	958	1080	281	344	94
20.....	72	55	44	40	45	87	1670	1020	1070	373	333	85
21.....	72	56	44	46	50	96	1790	1080	1070	346	250	82
22.....	70	60	45	46	60	94	1950	1010	1030	263	246	76
23.....	68	60	47	40	65	90	2380	1100	972	230	233	73
24.....	66	66	49	37	74	87	2430	1270	930	236	295	76
25.....	65	65	50	36	74	104	2110	1680	895	243	412	79
26.....	62	54	49	*38	72	120	2300	1840	860	274	302	132
27.....	59	55	46	40	70	149	2290	1480	772	288	321	175
28.....	60	62	40	42	68	212	2350	1660	725	256	250	167
29.....	78	42	44	45	....	311	2660	2270	686	236	246	154
30.....	68	55	47	46	....	388	3000	2150	664	221	373	136
31.....	61	....	45	42	....	357	....	1930	....	270	642	....
Total	2411	1762	1422	1275	1311	3559	39722	53588	36032	9410	8662	4546
Mean.	77.8	58.7	45.9	41.1	46.8	115	1324	1729	1201	304	279	152
Max..	90	75	60	46	74	388	3000	3510	2480	579	642	426
Min..	59	42	40	36	36	62	365	958	664	221	164	73
Acre-ft.	4780	3490	2820	2530	2500	7060	78790	106300	71470	18660	17180	9020

Total run-off for period=324,700 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Dolores River at Dolores, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1.....	123	104	58	46	47	48	149	742	3360	1860	315	184
2.....	123	97	74	46	45	49	144	795	3220	1670	322	180
3.....	121	97	68	50	43	54	185	660	2900	1830	315	178
4.....	116	104	77	49	45	50	279	692	2350	1700	310	172
5.....	112	104	88	46	47	44	400	957	2220	1520	301	168
6.....	112	99	85	48	46	40	514	1480	2350	1420	318	164
7.....	114	79	82	51	44	42	602	1900	2810	1250	315	168
8.....	114	63	70	50	47	44	550	2060	2820	1070	315	166
9.....	110	87	71	49	48	48	550	2310	3100	1010	342	164
10.....	108	97	72	50	47	50	448	2420	3470	920	348	160
11.....	112	87	70	54	45	53	522	2430	3500	838	310	160
12.....	142	85	64	52	42	57	692	2790	3060	696	297	160
13.....	127	84	65	47	47	59	654	3390	2680	636	306	212
14.....	118	82	62	48	45	54	476	3830	2820	578	299	228
15.....	121	76	54	49	45	45	388	4560	2730	527	293	232
16.....	116	74	44	50	46	42	408	4960	2790	486	222	236
17.....	110	76	45	51	47	70	335	4020	2290	450	202	236
18.....	88	80	48	51	45	90	295	2840	2350	424	200	234
19.....	114	77	53	52	42	90	298	2810	2520	407	216	230
20.....	129	76	56	52	40	90	353	2760	2730	624	230	230
21.....	104	70	54	50	43	80	322	2720	2840	470	204	228
22.....	104	88	52	49	44	90	273	3160	2610	398	196	224
23.....	101	87	52	50	46	98	325	3570	2420	361	208	124
24.....	97	90	50	48	47	109	416	3880	2580	379	226	64
25.....	92	79	45	47	49	107	436	3430	2580	373	271	77
26.....	95	71	50	48	49	106	388	2840	2700	325	222	90
27.....	95	47	48	50	48	81	488	2550	2590	299	194	99
28.....	97	58	49	52	48	66	725	2640	2150	282	204	127
29.....	142	74	45	51	47	61	607	3110	2030	308	200	116
30.....	142	66	45	47	....	65	618	3180	2050	322	196	97
31.....	123	....	47	45	....	100	....	3300	....	310	190	....
Total	3522	2458	1843	1528	1324	2082	12850	82786	80622	23743	8087	5108
Mean.	114	81.9	59.5	49.3	45.7	67.2	428	2671	2687	766	261	170
Max..	142	104	88	54	49	109	725	4960	3500	1860	348	236
Min..	88	47	44	45	40	40	144	660	2030	282	190	64
Acre-ft.	6990	4880	3660	3030	2630	4130	25490	164200	159900	47090	16040	10130

Total run-off for period=448,200 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Dolores River Near McPhee, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	2.7	6.0	7.2	28	43	48	835	2870	1270	120	61	176
2....	2.7	6.0	3.6	28	43	48	1130	2560	1810	77	14	67
3....	2.8	6.0	6.0	27	38	50	1550	2590	1470	39	11	31
4....	2.8	6.6	7.2	27	38	50	1920	3050	1000	18	14	24
5....	2.8	6.0	6.6	52	41	55	2310	2800	774	15	8.2	8.2
6....	2.6	5.4	5.3	51	38	46	2760	2000	740	13	7.8	6.2
7....	2.7	5.4	5.3	49	43	47	2740	1800	844	11	22	5.4
8....	2.9	5.4	47	49	45	54	2020	1480	1010	8.6	10	4.8
9....	2.8	5.4	72	49	38	68	1470	1140	1140	7.0	7.4	4.8
10....	2.9	5.4	63	49	38	85	1020	954	1140	6.6	12	4.6
11....	4.2	4.8	63	46	38	88	800	954	1150	6.2	102	4.6
12....	4.2	4.8	59	46	41	91	732	1090	991	6.2	90	4.6
13....	9.0	3.6	59	46	43	89	1070	1140	809	5.4	22	4.8
14....	8.4	3.6	65	46	45	90	1560	954	614	5.0	8.2	5.0
15....	7.8	4.2	63	44	46	92	1960	757	486	7.4	6.6	5.8
16....	6.6	4.8	65	42	48	57	1970	652	472	8.2	8.2	5.0
17....	6.6	5.4	63	39	48	35	1610	584	486	7.4	11	4.6
18....	8.4	5.4	*65	34	50	40	1700	584	526	7.0	19	4.2
19....	8.4	6.0	64	28	52	38	2090	486	577	7.4	58	4.2
20....	6.6	7.8	64	28	55	35	2420	541	584	17	61	4.0
21....	5.4	7.2	62	36	60	40	2410	614	570	47	18	3.6
22....	4.2	3.2	35	36	50	40	2510	555	526	20	9.0	3.6
23....	3.6	3.5	37	36	40	38	2800	614	499	11	8.2	3.6
24....	3.6	5.9	36	36	49	42	2830	766	434	9.6	11	3.6
25....	3.0	4.5	37	36	49	74	2310	1130	404	10	98	3.8
26....	2.9	9.9	34	*36	52	112	2420	1310	386	10	37	4.4
27....	2.9	8.4	31	36	50	177	2320	1060	305	11	17	12
28....	2.9	6.0	25	36	48	325	2290	1160	245	11	14	9.0
29....	7.2	7.2	29	36	....	584	2460	1610	201	7.8	7.8	6.2
30....	7.2	3.6	32	36	....	835	2720	1670	185	7.4	23	5.0
31....	6.6	....	30	36	....	809	....	1440	....	11	404	....
Total	147.4	321.3	1336.6	1204	1269	4282	58737	40915	21648	548.2	1200.4	433.6
Mean.	4.75	10.7	43.1	38.8	45.3	138	1958	1320	722	17.7	38.7	14.5
Max..	9.0	5.9	72	52	60	835	2830	3050	1810	120	404	176
Min..	2.6	3.6	3.6	27	38	35	732	486	185	5.0	6.6	3.6
Acre-ft.	292	637	2650	2390	2520	8490	116500	81150	42940	1090	2380	860

Total run-off for period=261,900 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Dolores River Near McPhee, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	4.8	7.4	3.6	57	56	40	130	1880	3180	1460	14	7.6
2....	4.8	5.8	3.8	56	54	43	130	1890	3050	1300	13	7.0
3....	4.8	5.0	13	57	53	45	167	1440	2870	1400	8.2	7.0
4....	4.8	4.6	44	31	56	37	332	1530	2350	1360	5.8	7.0
5....	4.8	4.4	95	27	57	34	577	2140	2100	1180	8.8	6.4
6....	5.0	4.2	90	26	54	32	1020	2900	2110	1100	8.8	6.0
7....	5.4	3.6	90	27	*51	35	1150	3300	2530	938	9.4	5.6
8....	5.4	3.6	74	27	54	39	1120	3240	2590	732	9.4	5.5
9....	5.4	3.6	61	27	59	45	1040	3580	2790	660	13	5.3
10....	5.0	3.8	67	31	59	48	770	3920	3200	580	28	5.1
11....	5.8	4.0	50	37	57	52	870	3970	3220	484	14	4.8
12....	7.8	3.0	42	38	54	59	1230	4280	2800	333	6.4	4.6
13....	7.0	2.8	60	38	58	62	1200	5010	2380	225	7.6	4.6
14....	7.0	2.7	58	37	49	59	940	5300	2480	169	7.0	4.6
15....	6.6	2.7	61	38	56	50	800	5960	2370	94	8.8	4.6
16....	6.6	2.7	43	39	56	*48	880	6160	2450	56	9.4	4.6
17....	6.6	2.8	47	*40	58	54	750	5050	1920	35	9.4	4.6
18....	6.6	2.8	52	45	60	85	640	3260	1920	27	10	4.6
19....	9.0	2.8	57	55	58	92	660	3110	2070	25	12	4.6
20....	19	2.8	62	56	54	109	800	3240	2310	135	21	4.6
21....	9.6	2.7	65	55	55	92	730	3050	2440	72	12	4.6
22....	7.8	3.2	*63	53	56	92	640	3450	2230	27	10	4.6
23....	7.0	4.2	63	54	56	82	780	3940	2020	19	11	4.6
24....	6.2	4.0	62	53	39	87	*880	4290	2160	19	12	4.6
25....	6.2	3.6	58	51	41	98	965	3690	2180	20	35	4.6
26....	5.8	3.4	60	54	41	87	866	2840	2270	14	34	4.8
27....	5.8	3.4	61	57	40	77	1120	2560	2160	11	13	6.0
28....	5.8	3.6	62	60	40	64	1760	2620	1750	13	12	15
29....	6.6	3.4	59	57	*39	52	1310	3060	1600	15	11	4.6
30....	23	3.6	57	54	....	50	1530	3110	1640	13	9.4	4.6
31....	12	....	58	53	....	87	....	3170	....	9.4	8.2	....
Total	231.0	110.2	1741.4	1390	1520	1936	25787	106940	71140	12525.4	391.6	166.7
Mean.	7.45	3.67	56.2	44.8	52.4	62.5	860	3450	2371	404	12.6	5.56
Max..	23	7.4	95	60	60	109	1760	6160	3220	1460	35	15
Min..	4.8	2.7	3.6	26	39	32	130	1440	1600	9.4	5.8	4.6
Acre-ft.	458	219	3450	2760	3010	3840	51150	212100	141100	24840	777	331

Total run-off for period=444,000 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Dolores River at Gateway, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June,	July	Aug.	Sept.
1....	118	175	192	162	232	268	1410	4010	2240	952	352	1060
2....	116	170	190	178	208	262	1330	4210	2200	865	356	815
3....	114	172	180	170	225	245	2060	3960	2830	800	345	657
4....	116	175	185	128	212	240	3050	3970	2760	662	356	540
5....	112	180	188	132	168	256	4010	4600	2100	616	324	491
6....	110	180	192	124	218	265	4640	4780	1650	544	274	443
7....	110	178	168	142	178	253	5380	3700	1370	495	245	362
8....	108	175	162	152	188	242	5160	3330	1410	443	262	277
9....	104	172	162	130	225	248	4140	2840	1840	412	271	256
10....	106	172	170	130	250	283	3250	2370	2070	384	271	250
11....	120	170	168	134	170	310	2310	1920	2120	380	320	222
12....	122	160	165	150	195	310	1770	1700	2120	334	652	208
13....	126	150	146	152	212	370	1400	1700	2000	292	522	198
14....	215	152	146	172	222	352	2000	1770	1700	295	439	192
15....	188	158	160	192	228	338	3310	1700	1390	283	394	192
16....	168	162	182	198	235	328	4150	1410	1230	307	548	192
17....	185	172	178	200	259	314	4210	1200	1170	283	709	188
18....	195	172	188	175	262	359	3760	1080	1220	245	810	185
19....	185	168	200	110	265	348	3740	1030	1260	225	1110	182
20....	175	175	200	142	274	301	4050	1080	1290	205	1030	180
21....	168	165	192	128	286	289	4530	992	1370	307	716	178
22....	162	158	192	225	295	248	4410	1030	1450	408	1050	175
23....	165	140	215	310	317	230	4390	1070	1480	398	775	172
24....	165	130	232	317	342	240	4640	1020	1410	286	554	170
25....	165	138	256	320	356	232	4710	1090	1370	245	861	168
26....	162	175	265	256	373	256	4050	1310	1340	218	720	165
27....	160	170	242	238	328	268	3940	1780	1310	218	526	205
28....	155	165	178	240	283	286	3740	1170	1240	242	531	537
29....	178	175	168	238	....	387	3610	1170	1150	232	491	310
30....	198	202	175	232	....	740	3810	1720	1080	220	491	301
31....	192	....	188	242	....	1250	....	2500	....	271	880	....
Total	4663	5006	5825	5819	7006	10318	106960	67212	49170	12067	17185	9471
Mean.	150	167	188	188	250	333	3565	2168	1639	389	554	316
Max.	215	202	265	320	373	1250	5380	4780	2830	952	1110	1060
Min.	104	130	146	110	168	230	1330	992	1080	205	245	165
Acre-ft.	9250	9930	11550	11540	13900	20470	212200	133300	97530	23930	34090	18790

Total run-off for period=596,500 acre-feet.

Discharge of Dolores River at Gateway, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	215	195	130	128	188	220	228	3850	6080	2930	425	114
2....	200	180	136	104	200	286	248	4880	5980	2730	380	114
3....	190	162	140	134	200	370	298	4420	6150	2590	346	106
4....	182	150	122	138	195	362	435	3100	6360	2560	321	100
5....	178	152	122	126	190	314	592	3270	5370	2490	297	97
6....	172	150	152	142	212	245	948	5490	4460	2240	270	94
7....	168	150	168	142	215	208	1450	7780	4320	1960	258	90
8....	162	152	150	152	242	192	2020	8530	4880	1510	249	87
9....	157	150	148	138	277	182	2100	9020	4860	1320	255	83
10....	152	148	152	118	286	182	2030	9600	5110	1230	288	80
11....	148	162	195	114	240	208	1510	9440	5700	1160	297	77
12....	144	155	175	130	172	248	1840	10000	4710	1090	261	76
13....	144	152	178	134	178	274	2930	10500	5010	984	234	74
14....	142	152	190	134	182	338	2970	11200	4410	906	219	76
15....	142	152	180	122	162	435	1980	11700	4410	828	210	95
16....	140	150	158	130	190	380	1510	11900	4190	775	228	90
17....	138	146	160	146	195	298	1480	11100	4080	720	196	69
18....	138	146	144	155	208	262	1340	9440	3460	705	185	67
19....	142	148	148	168	210	259	1180	7370	3410	690	190	66
20....	232	148	170	170	180	262	1200	7100	3650	710	332	64
21....	248	148	190	172	192	292	1300	7080	4010	840	204	63
22....	242	158	182	165	210	301	1240	7060	4170	740	175	63
23....	192	170	208	182	215	289	1120	7520	3900	660	163	55
24....	180	190	205	230	198	259	1090	7800	3730	670	151	52
25....	175	165	202	222	235	271	1580	7820	3890	660	165	52
26....	180	160	185	182	268	283	1850	7160	3970	646	213	55
27....	178	152	190	182	248	274	1730	6150	4060	556	210	59
28....	155	138	152	170	228	265	2830	5540	3870	489	165	66
29....	175	124	124	168	210	245	4390	5560	3260	465	147	108
30....	185	128	150	178	....	228	3440	5980	3020	461	134	120
31....	198	....	152	185	....	218	....	6170	....	453	126	....
Total	5394	4632	5058	4761	6126	8450	48859	233530	134480	36768	7294	2412
Mean.	174	154	163	154	211	273	1629	7533	4483	1186	235	80.4
Max.	248	195	208	230	286	435	4390	11900	6360	2930	425	120
Min.	138	124	122	104	162	182	228	3100	3020	453	126	52
Ac.-ft.	10700	9190	10030	9440	12150	16760	96910	463200	266700	72930	14470	4780

Total run-off for period=987,300 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of West Fork of Dolores River at Dunton, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	11	8.0	....	....	....	....	....	225	154	110	40	48
2....	10	8.0	....	....	....	....	....	209	174	101	40	42
3....	8.8	8.0	....	....	....	....	....	201	150	80	40	34
4....	8.4	8.0	....	....	....	....	....	185	128	76	40	26
5....	8.0	8.0	....	....	....	....	....	174	108	72	40	20
6....	8.0	8.0	....	....	....	....	....	157	112	67	40	20
7....	8.0	6.2	....	....	....	....	....	137	121	58	40	20
8....	8.0	8.0	....	....	....	....	....	110	128	58	40	20
9....	8.0	8.0	....	....	....	....	....	105	134	58	36	19
10....	8.0	6.2	....	....	....	....	Apr. 12	101	164	45	47	17
11....	10	6.2	....	....	....	....	to 30	110	168	46	60	15
12....	9.2	8.0	....	....	....	....	58	112	168	45	47	15
13....	10	8.0	....	....	....	....	29	114	140	45	43	14
14....	9.6	8.0	....	....	....	....	35	110	121	43	37	15
15....	12	10	....	....	....	....	45	101	116	47	37	14
16....	12	8.0	....	....	....	....	50	94	116	43	39	14
17....	10	6.2	....	....	....	....	48	90	128	39	37	15
18....	8.0	6.2	....	....	....	....	50	83	140	35	45	14
19....	8.0	8.0	....	....	....	....	64	83	128	45	50	13
20....	10	8.0	....	....	....	....	77	90	134	64	52	13
21....	8.0	2.0	....	....	....	....	77	90	131	52	39	12
22....	10	10	....	....	....	....	80	90	131	47	37	13
23....	10	12	....	....	....	....	94	94	121	43	35	10
24....	8.0	6.2	....	....	....	....	87	110	128	41	39	12
25....	8.0	8.0	....	....	....	....	94	101	140	35	47	12
26....	8.0	4.5	....	....	....	....	94	121	134	39	47	12
27....	6.2	8.0	....	....	....	....	121	116	124	39	54	13
28....	8.0	6.2	....	....	....	....	178	121	124	39	43	14
29....	8.0	3.2	....	....	....	....	209	134	116	43	41	13
30....	8.0	8.0	....	....	....	....	209	137	112	43	57	13
31....	6.2	....	....	....	....	....	131	....	....	41	66	....
Total	273.4	221.1	....	....	....	....	1699	3836	3993	1639	1355	532
Mean	8.82	7.37	....	....	....	....	89.4	124	133	52.9	43.7	17.7
Max.	12	12	....	....	....	....	209	225	174	110	66	48
Min.	6.2	2.0	....	....	....	....	29	83	108	35	35	10
Acre-ft.	542	439	....	....	....	....	3370	7610	7920	3250	2690	1060

Total run-off for period=19,880 acre-feet.

Discharge of West Fork of Dolores River at Dunton, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	10	11	9.2	....	....	....	....	....	....	....	....	....
2....	9.6	12	9.2	....	....	....	....	....	....	....	....	....
3....	9.6	14	9.2	....	....	....	....	....	....	....	....	....
4....	8.0	14	....	....	....	....	....	....	....	....	....	....
5....	7.6	12	....	....	....	....	....	....	....	....	....	....
6....	7.6	10	....	....	....	....	....	....	....	....	....	....
7....	8.0	10	....	....	....	....	....	....	....	....	....	....
8....	8.0	10	....	....	....	....	....	....	....	....	....	....
9....	8.0	12	....	....	....	....	....	....	....	....	....	....
10....	8.4	10	....	....	....	....	....	....	....	....	....	....
11....	8.4	10	....	....	....	....	....	....	....	....	....	....
12....	8.4	9.2	....	....	....	....	....	....	....	....	....	....
13....	8.4	8.4	....	....	....	....	....	....	....	....	....	....
14....	8.4	12	....	....	....	....	....	....	....	....	....	....
15....	9.6	12	....	....	....	....	....	....	....	....	....	....
16....	9.6	7.3	....	....	....	....	....	....	....	....	....	....
17....	9.6	10	....	....	....	....	....	....	....	....	....	....
18....	8.8	10	....	....	....	....	....	....	....	....	....	....
19....	11	7.6	....	....	....	....	....	....	....	....	....	....
20....	8.4	7.6	....	....	....	....	....	....	....	....	....	....
21....	9.6	9.2	....	....	....	....	....	....	....	....	....	....
22....	11	10	....	....	....	....	....	....	....	....	....	....
23....	9.6	11	....	....	....	....	....	....	....	....	....	....
24....	10	11	....	....	....	....	....	....	....	....	....	....
25....	9.6	11	....	....	....	....	....	....	....	....	....	....
26....	9.6	11	Discontinued Dec. 31, 1943	....	....	....	....	....	....	....	....	....
27....	12	10	....	....	....	....	....	....	....	....	....	....
28....	15	10	....	....	....	....	....	....	....	....	....	....
29....	15	10	....	....	....	....	....	....	....	....	....	....
30....	12	9.2	....	....	....	....	....	....	....	....	....	....
31....	10	....	....	....	....	....	....	....	....	....	....	....
Total	298.8	311.5	....	....	....	....	....	....	....	....	....	....
Mean	9.64	10.4	....	....	....	....	....	....	....	....	....	....
Max.	15	14	....	....	....	....	....	....	....	....	....	....
Min.	7.6	7.3	....	....	....	....	....	....	....	....	....	....
Acre-ft.	593	618	....	....	....	....	....	....	....	....	....	....

Total run-off for period=1,211 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of West Fork of Dolores River Near Stoner, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	57	20	15	14	15	16	103	870	390	158	98	91
2....	59	20	15	14	13	16	106	814	590	155	78	71
3....	59	20	15	14	12	16	110	814	455	133	80	61
4....	55	23	15	14	12	16	135	942	344	122	71	53
5....	53	22	15	13	12	16	157	798	304	108	63	47
6....	51	20	14	14	12	15	202	632	290	115	63	40
7....	57	22	12	14	12	15	207	620	304	105	76	38
8....	53	21	13	14	12	15	177	490	356	101	62	36
9....	53	20	14	14	12	16	157	400	395	105	66	24
10....	55	18	14	14	12	16	137	348	405	101	126	20
11....	48	17	13	13	12	16	117	364	400	86	124	24
12....	19	17	13	13	12	15	98	380	368	85	94	22
13....	26	17	14	13	12	15	124	390	316	122	73	22
14....	28	17	14	13	12	15	162	316	254	157	63	28
15....	22	18	14	13	12	16	244	282	234	162	66	29
16....	20	18	14	13	13	16	293	258	240	148	68	24
17....	22	18	14	13	13	17	308	251	240	151	63	24
18....	22	18	14	13	13	20	356	244	254	166	73	26
19....	19	17	14	*13	*14	21	460	225	276	190	101	22
20....	19	17	14	12	14	23	548	237	276	225	98	18
21....	19	16	14	13	15	21	572	244	272	192	73	16
22....	17	15	14	15	17	18	657	225	262	140	64	18
23....	17	15	14	15	17	17	748	244	258	126	58	18
24....	19	17	15	15	17	17	755	272	248	133	73	20
25....	17	17	15	14	16	19	678	356	240	139	94	28
26....	18	16	15	15	15	27	706	390	217	155	71	104
27....	18	15	13	16	15	38	678	324	188	146	98	98
28....	19	16	14	17	15	56	706	364	188	135	73	79
29....	20	15	14	16	....	80	790	510	183	124	71	79
30....	19	14	14	15	....	115	814	465	168	121	94	70
31....	19	....	14	15	....	105	....	420	....	124	135	....
Total	999	536	436	434	378	844	11305	13489	8915	4230	2510	1250
Mean.	32.2	17.9	14.1	14.0	13.5	27.2	377	435	297	136	81.0	41.7
Max..	59	23	15	17	17	115	814	942	590	225	135	104
Min..	17	14	12	12	12	15	98	225	168	85	58	16
Acre-ft.	1980	1060	865	861	750	1670	22420	26760	17680	8390	4980	2480

Total run-off for period=89,900 acre-feet.

*Winter discharge measurement made on this day.

Discharge of West Fork of Dolores River Near Stoner, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	61	28	23	13	15	15	46	122	1080	456	194	148
2....	66	30	11	13	15	16	45	144	1000	420	204	150
3....	63	30	19	13	15	17	52	128	970	440	201	146
4....	58	28	11	13	15	18	62	126	842	412	201	140
5....	58	26	17	13	15	15	74	164	802	380	222	138
6....	61	26	13	13	15	13	90	254	842	384	227	142
7....	58	20	13	13	15	14	105	425	950	332	224	140
8....	61	20	15	13	15	15	100	554	877	300	229	134
9....	63	30	11	13	15	16	96	678	950	272	243	140
10....	56	30	12	13	15	17	80	769	1050	246	229	138
11....	58	26	15	13	15	18	100	838	980	232	206	134
12....	68	18	14	13	15	20	135	1030	850	204	206	140
13....	63	16	15	13	15	18	133	1160	886	187	229	204
14....	57	14	16	13	15	17	100	1300	802	171	227	199
15....	56	13	14	*13	15	15	88	1560	756	158	216	196
16....	53	11	15	13	15	14	88	1600	735	146	152	201
17....	44	12	20	13	15	20	71	1330	628	136	144	199
18....	22	13	20	13	15	28	68	940	598	134	142	194
19....	34	13	27	13	*15	28	72	859	628	129	150	194
20....	28	12	22	13	15	28	78	895	670	206	148	199
21....	24	11	17	13	15	25	72	868	700	144	138	199
22....	26	21	19	13	15	27	64	1020	610	130	152	189
23....	26	21	14	13	15	30	64	1190	570	119	171	36
24....	24	19	10	13	15	32	71	1330	616	127	171	28
25....	18	15	13	13	15	32	78	1220	634	127	180	39
26....	22	15	11	13	15	32	76	950	688	108	142	32
27....	24	15	10	13	15	26	96	877	616	104	146	37
28....	22	25	15	13	15	22	135	931	545	105	154	41
29....	32	10	14	13	15	20	119	1050	505	169	154	39
30....	32	19	13	13	....	25	106	1110	530	164	154	34
31....	30	....	12	13	....	33	....	1120	....	169	150	....
Total	1368	587	471	403	435	666	2564	26542	22910	6811	5706	3950
Mean.	44.1	19.6	15.2	13	15	21.5	85.5	856	764	220	184	132
Max..	68	30	27	....	....	33	135	1600	1080	450	243	204
Min..	18	11	10	....	....	13	45	122	505	104	138	28
Acre-ft.	2710	1160	934	799	863	1320	5090	52650	45440	13510	11320	7830

Total run-off for period=143,600 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Disappointment Creek at Upper Station Near Cedar, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.4	2.3	2.4	2.4	2.9	2.6	50	48	43	7.8	3.4	3.3
2....	1.4	2.6	2.4	2.4	2.9	2.6	59	62	40	7.2	3.2	3.6
3....	1.4	2.0	2.4	2.4	2.9	2.6	66	60	38	7.5	3.4	3.9
4....	1.4	1.7	2.4	2.4	2.9	2.6	61	80	35	8.0	2.6	3.8
5....	1.6	2.0	2.4	2.4	2.9	2.6	65	134	33	7.2	2.0	3.4
6....	1.6	2.0	2.4	2.4	2.9	2.6	70	270	33	6.0	2.3	3.4
7....	1.9	2.3	2.4	2.4	2.9	2.6	136	276	33	5.0	2.4	3.2
8....	1.9	1.7	2.4	2.4	2.9	2.6	158	292	33	4.2	3.4	3.4
9....	2.0	1.5	2.4	2.4	2.9	2.6	160	273	36	3.6	3.4	2.7
10....	2.3	1.4	2.4	2.4	2.9	2.6	196	228	38	3.1	3.0	2.7
11....	2.7	1.5	2.4	2.4	2.9	2.6	24	196	38	2.8	2.6	3.2
12....	2.6	1.7	2.4	2.4	2.9	2.6	23	154	33	4.0	2.6	2.0
13....	2.6	2.0	2.4	2.4	2.9	2.6	26	143	31	4.2	2.3	1.7
14....	2.9	2.0	2.4	2.4	2.9	2.6	27	125	28	*2.9	2.2	1.3
15....	2.7	1.7	2.4	2.4	2.9	2.6	33	109	23	2.6	3.7	1.2
16....	2.6	1.5	2.4	2.4	2.9	5.0	35	102	24	2.5	3.4	1.4
17....	2.3	1.3	2.4	2.4	2.9	5.0	33	91	25	2.7	9.1	1.3
18....	2.3	1.4	2.4	2.4	2.9	5.0	41	90	22	2.6	7.8	1.5
19....	2.7	1.7	2.4	2.4	2.9	*5.0	44	87	22	3.0	6.5	2.3
20....	2.3	1.9	2.4	*2.4	*2.9	5.0	44	88	20	7.0	7.0	2.3
21....	2.4	2.0	2.4	2.4	2.9	5.0	40	81	19	15	6.5	1.7
22....	2.3	2.0	2.4	2.4	2.9	5.0	40	81	16	53	5.6	2.0
23....	2.6	2.2	2.4	2.4	2.9	5.0	43	75	15	18	6.3	1.7
24....	2.6	2.2	2.4	2.4	2.9	5.0	46	73	13	13	5.6	2.0
25....	2.0	2.2	2.4	2.4	2.9	5.0	49	78	12	23	4.5	1.5
26....	2.0	2.2	2.4	2.4	2.9	5.0	53	81	10	21	3.8	1.5
27....	2.6	2.2	2.4	2.4	2.9	13	49	75	9.1	5.6	3.4	1.5
28....	2.3	1.8	2.4	2.4	2.9	21	48	75	9.1	8.3	3.2	1.7
29....	2.0	1.7	2.4	2.4	....	22	48	75	8.9	8.3	3.4	2.0
30....	2.3	1.9	2.4	2.4	....	27	50	56	8.3	4.0	3.8	2.0
31....	2.6	....	2.4	2.4	....	38	....	46	....	3.8	3.2	....
Total	68.3	56.6	74.4	74.4	81.2	215.0	1817	3704	748.4	266.9	189.5	69.2
Mean..	2.20	1.89	2.4	2.4	2.9	6.94	60.6	119	24.9	8.61	6.11	2.31
Max...	2.9	2.6	....	....	....	38	196	292	43	53	3.7	3.9
Min...	1.4	1.3	....	....	....	....	23	46	8.3	2.5	2.0	1.2
Acre-ft.	135	112	148	148	161	426	3600	7350	1480	529	376	137

Total run-off for period=14,600 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Disappointment Creek at Upper Station Near Cedar, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	2.0	2.0	2.0	....	....	....	39	143	....	....	....	....
2....	3.6	2.2	2.2	....	....	....	41	134	....	....	....	....
3....	3.3	2.6	2.2	....	....	....	44	125	....	....	....	....
4....	3.0	2.7	2.3	....	....	....	47	125	....	....	....	....
5....	2.7	3.0	2.7	....	....	....	54	128	....	....	....	....
6....	2.2	3.0	2.7	....	....	....	59	130	....	....	....	....
7....	2.2	3.2	2.4	....	....	....	68	131	....	....	....	....
8....	2.4	3.3	2.3	....	....	....	69	151	....	....	....	....
9....	2.2	3.0	2.0	....	....	....	81	170	....	....	....	....
10....	1.9	3.2	1.9	....	....	....	87	136	....	....	....	....
11....	1.7	3.3	1.5	....	....	....	99	128	....	....	....	....
12....	1.3	3.4	1.6	....	....	....	107	130	....	....	....	....
13....	1.3	3.3	1.4	....	....	....	114	134	....	....	....	....
14....	1.4	3.0	1.6	....	....	....	120	234	....	....	....	....
15....	1.9	3.0	2.2	....	....	....	128	308	....	....	....	....
16....	2.4	2.6	1.9	....	....	....	130	May 1	....	....	....	....
17....	2.4	2.0	2.0	....	....	....	133	to 15	....	....	....	....
18....	1.9	2.0	2.2	....	....	....	136	....	....	....	....	....
19....	1.6	2.0	Dec. 1	....	....	....	151	....	....	....	....	....
20....	1.6	2.4	to 18	....	....	....	147	....	....	....	....	....
21....	1.4	2.4	....	....	....	....	151	....	....	....	....	....
22....	1.3	2.2	....	....	....	....	151	....	....	....	....	....
23....	1.4	1.7	....	....	....	....	149	....	....	....	....	....
24....	1.4	1.3	....	....	....	....	64	....	....	....	....	....
25....	1.6	1.4	....	....	....	....	23	....	....	....	....	....
26....	2.0	1.9	....	....	....	....	21	....	....	....	....	....
27....	2.0	2.4	....	....	....	....	18	....	....	....	....	....
28....	1.6	2.6	....	....	....	....	30	....	....	....	....	....
29....	1.6	2.2	....	....	....	....	112	....	....	....	....	....
30....	1.9	2.4	....	....	....	....	156	....	....	....	....	....
31....	1.9	....	....	....	....	....	....	....	....	....	....	....
Total	61.1	75.7	37.1	....	....	....	2729	2307	....	....	....	....
Mean..	1.97	2.52	2.06	....	....	....	91.0	154	....	....	....	....
Max...	3.6	3.4	2.7	....	....	....	156	308	....	....	....	....
Min...	1.3	1.3	1.4	....	....	....	39	125	....	....	....	....
Acre-ft.	121	150	74	....	....	....	5410	4580	....	....	....	....
Acre-ft.	121	150	74	....	....	....	5410	4580	....	....	....	....

Total run-off for period=10,340 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Disappointment Creek Near Cedar, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.9	2.2	3.0	....	....	4.6	56	78	36	5.4	10	4.4
2....	0.9	2.1	3.0	....	....	3.7	30	66	52	4.4	3.9	2.2
3....	0.9	1.9	3.0	....	....	2.9	64	62	55	3.9	2.1	1.8
4....	0.8	2.1	3.3	....	....	2.3	90	83	39	2.8	1.7	1.0
5....	0.9	1.8	3.3	....	....	2.5	72	79	35	2.5	3.6	0.8
6....	0.9	2.2	3.3	....	....	1.7	98	77	30	2.2	1.3	0.8
7....	0.8	2.2	2.8	....	....	1.6	95	77	30	0.1	0.9	0.9
8....	0.8	2.8	2.7	....	....	1.7	64	74	28	0.1	0.9	0.9
9....	0.8	2.5	3.2	....	....	1.6	56	52	29	1.2	2.5	0.4
10....	0.9	2.1	3.3	....	....	2.1	39	53	29	1.2	1.0	0.2
11....	0.8	1.9	4.2	....	....	3.0	40	47	27	0.4	2.8	0.2
12....	0.9	1.9	4.2	....	....	10	43	41	25	0.8	1.3	0.2
13....	2.9	2.5	3.6	....	....	6.2	44	41	23	0.7	0.8	0.2
14....	1.8	2.8	3.9	....	....	5.0	112	39	21	0.7	0.0	0.2
15....	4.4	2.5	4.2	4.5	5.8	16	77	36	19	0.4	10	0.2
16....	4.7	2.5	4.2	....	....	8.2	85	31	18	0.1	29	0.2
17....	1.8	2.5	4.2	....	....	4.7	74	26	15	0.1	79	0.2
18....	7.0	2.5	4.7	....	....	6.2	83	32	10	0.1	31	0.2
19....	4.7	2.5	4.7	....	....	5.0	97	29	11	0.1	79	0.2
20....	3.6	2.5	4.7	*1.7	*5.2	6.2	98	29	9.6	1.6	7.0	7.5
21....	2.8	2.5	4.7	....	....	3.0	78	32	9.0	5.0	3.6	16
22....	2.5	2.5	3.9	....	....	3.0	83	31	8.6	15	1.8	5.0
23....	2.1	2.5	3.0	....	....	6.2	83	29	8.6	3.9	13	2.8
24....	2.2	2.8	2.5	....	....	24	84	41	8.6	3.3	21	1.8
25....	2.1	3.0	2.8	....	....	13	84	32	9.0	6.2	18	1.0
26....	2.2	3.0	2.5	....	....	16	79	31	8.6	5.0	7.8	0.7
27....	2.1	3.0	2.3	....	....	25	66	31	7.8	3.6	2.5	0.8
28....	2.1	2.5	2.5	....	....	64	67	35	7.0	1.8	1.6	0.8
29....	1.9	2.2	2.6	....	....	120	65	54	6.6	1.2	1.3	0.6
30....	2.1	2.8	2.4	....	....	114	67	46	6.6	2.5	7.1	0.5
31....	2.1	....	2.4	....	....	68	....	40	....	5.0	38	....
Total	123.9	72.8	105.1	139.5	162.4	565.8	2173	1454	622.0	81.3	383.5	52.7
Mean.	4.00	2.43	3.39	4.5	5.8	18.3	72.4	46.9	20.7	2.62	12.4	1.76
Max..	29	3.0	4.7	....	....	120	112	83	55	15	79	16
Min..	0.8	1.8	2.3	....	....	1.6	30	26	6.6	0.1	0	0.2
Acre-ft.	246	144	208	277	322	1120	4310	2880	1230	161	761	105

Total run-off for period=11,760 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Disappointment Creek Near Cedar, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.8	1.7	1.7	2.0	4.5	16	113	148	94	....	....	....
2....	0.7	1.9	1.2	2.0	4.5	20	86	153	80	....	....	....
3....	0.5	1.7	3.3	2.0	4.5	23	160	159	106	....	....	....
4....	0.3	1.8	3.6	2.0	4.5	23	148	162	55	....	....	....
5....	0.3	1.7	3.6	2.0	4.5	21	188	179	60	....	....	....
6....	0.2	1.7	3.9	2.0	4.5	20	251	206	72	....	....	....
7....	2.9	1.8	3.0	2.0	4.5	20	222	190	71	....	....	....
8....	0.3	1.3	2.5	2.0	4.5	19	209	262	70	....	....	....
9....	0.3	1.3	2.2	2.0	4.5	28	182	271	72	....	....	....
10....	0.8	1.4	2.2	2.0	4.5	41	142	260	72	....	....	....
11....	0.6	1.3	2.5	2.0	4.5	100	149	260	73	....	....	....
12....	0.7	1.2	2.5	2.0	4.5	108	210	282	78	....	....	....
13....	0.8	1.2	3.0	2.0	4.5	198	264	309	82	....	....	....
14....	1.2	0.9	3.6	2.0	4.5	193	144	312	84	....	....	....
15....	104	0.9	4.2	2.0	4.5	59	148	296	83	....	....	....
16....	51	1.0	3.3	*2.0	4.5	54	230	316	79	....	....	....
17....	1.6	0.8	3.4	2.0	4.5	52	138	284	74	....	....	....
18....	1.0	1.0	3.9	2.0	4.5	53	142	220	72	....	....	....
19....	36	0.9	4.4	2.0	4.5	73	143	188	67	....	....	....
20....	104	1.0	4.9	2.0	4.5	66	131	163	71	....	....	....
21....	107	0.9	4.6	2.0	4.5	55	138	199	71	....	....	....
22....	38	5.4	4.2	2.0	4.5	20	146	165	70	....	....	....
23....	2.1	8.6	3.7	2.0	4.5	61	188	186	70	....	....	....
24....	1.9	5.0	3.0	2.0	4.5	41	58	167	70	....	....	....
25....	1.8	2.1	2.9	2.0	4.5	82	62	167	60	....	....	....
26....	1.6	1.3	2.8	2.0	4.5	78	56	155	48	....	....	....
27....	1.3	1.2	2.7	2.0	4.5	79	58	149	44	....	....	....
28....	1.3	1.0	2.5	2.0	4.5	22	480	143	31	....	....	....
29....	1.4	0.8	2.7	2.0	4.5	30	336	136	24	....	....	....
30....	2.1	1.0	2.8	2.0	....	22	182	134	11	....	....	....
31....	2.2	....	2.8	2.0	....	82	....	108	....	....	....	....
Total	494.8	53.8	97.6	62.0	130.5	175.9	5104	6329	2014	....	....	....
Mean.	16.0	1.79	3.15	2.0	4.5	56.7	170	204	67.1	....	....	....
Max..	104	8.6	4.9	....	....	198	480	316	106	....	....	....
Min..	0.2	0.8	1.2	....	....	16	56	108	11	....	....	....
Acre-ft.	981	107	194	123	259	3490	10120	12550	3990	....	....	....

Total run-off for period=31,810 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of San Miguel River Near Placerville, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	114	86	85	96	95	91	113	470	615	592	230	368
2....	114	87	90	94	89	92	118	497	805	570	238	302
3....	114	89	89	92	89	87	129	575	656	510	242	260
4....	120	92	92	98	78	94	142	576	546	498	222	242
5....	116	87	89	97	86	93	158	620	494	458	222	220
6....	102	89	93	93	84	88	214	534	498	440	260	205
7....	96	88	87	92	82	94	206	620	546	404	258	192
8....	97	88	89	91	86	92	175	530	664	394	242	183
9....	92	89	92	90	89	95	166	462	736	374	252	175
10....	93	84	93	94	90	95	153	418	705	387	268	166
11....	91	83	93	96	93	94	145	404	696	347	412	161
12....	96	84	93	94	94	94	140	408	660	329	418	157
13....	110	84	93	96	94	94	142	408	592	338	329	157
14....	108	85	93	93	94	95	174	387	506	329	285	159
15....	104	87	92	94	97	95	201	362	474	356	268	148
16....	108	88	92	96	97	92	208	341	522	302	335	146
17....	105	87	91	91	97	92	210	326	610	275	302	153
18....	99	89	92	86	97	97	232	320	687	262	359	155
19....	95	90	91	76	93	92	244	317	700	250	415	148
20....	93	89	93	84	92	94	272	320	728	302	398	144
21....	90	86	94	85	94	92	275	338	780	296	320	142
22....	91	84	95	96	94	91	303	326	800	268	302	137
23....	90	89	97	93	92	93	305	335	805	245	308	124
24....	89	87	96	92	91	93	334	394	760	240	368	124
25....	87	90	94	94	91	96	323	502	775	232	482	126
26....	86	85	90	90	90	99	323	574	765	230	365	131
27....	87	90	90	96	89	103	319	502	728	222	371	150
28....	87	89	94	93	90	105	323	546	705	218	311	155
29....	91	83	97	93	....	116	355	682	687	212	305	128
30....	87	91	94	90	....	117	406	633	633	210	510	124
31....	84	....	99	91	....	114	....	610	....	258	510	....
Total	3036	2619	2862	2856	2547	2979	6808	14437	19878	10348	10107	5182
Mean.	97.9	87.3	92.3	92.1	91.0	96.1	227	466	663	334	326	173
Max..	120	92	99	98	97	117	406	682	805	592	510	368
Min....	84	83	85	76	78	87	113	317	474	210	222	124
Acre-ft.	6020	5190	5680	5660	5050	5910	13500	28640	39430	20520	20050	10280

Total run-off for period=165,900 acre-feet.

Discharge of San Miguel River Near Placerville, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	117	106	84	79	67	72	75	220	1160	1150	359	139
2....	113	92	88	72	65	74	74	225	1140	1080	338	135
3....	113	96	74	72	68	75	86	186	1150	1140	320	131
4....	109	94	75	72	74	74	100	170	962	1080	305	124
5....	106	96	76	72	65	72	120	212	848	1080	290	124
6....	106	96	80	74	70	68	142	362	860	1080	282	124
7....	106	86	80	72	65	68	150	590	968	998	285	120
8....	104	82	80	68	70	72	142	734	974	896	285	115
9....	100	90	82	67	67	75	146	986	1080	938	311	111
10....	96	88	84	69	68	75	126	1050	1200	884	293	111
11....	100	88	84	71	65	75	148	1120	1250	854	275	109
12....	115	88	84	70	74	77	208	1490	1190	710	260	106
13....	102	92	90	67	72	79	210	1630	1120	674	248	104
14....	106	90	80	66	70	75	172	1880	1210	638	235	104
15....	104	86	77	74	74	67	137	1800	1160	566	228	100
16....	102	84	77	74	72	74	128	1820	1150	530	222	98
17....	100	92	72	72	75	75	120	1480	986	572	212	96
18....	102	90	75	72	74	80	109	1200	1050	572	212	92
19....	131	88	78	68	74	75	126	1110	1160	548	215	88
20....	120	88	82	70	79	77	139	1040	1290	758	202	84
21....	109	86	75	70	68	77	124	1020	1350	638	188	86
22....	109	92	77	70	74	74	109	1090	1290	542	181	82
23....	106	90	79	70	75	75	104	1200	1270	482	177	82
24....	100	88	75	67	70	79	117	1260	1330	512	190	79
25....	102	84	77	65	70	77	120	1160	1340	548	220	88
26....	104	80	75	59	72	70	115	1050	1420	476	183	96
27....	98	72	74	58	68	68	139	1020	1320	440	170	133
28....	104	80	70	65	68	68	245	1040	1210	435	164	124
29....	124	88	74	65	70	67	205	1130	1180	430	155	113
30....	120	80	77	64	....	68	188	1180	1220	430	150	106
31....	109	....	74	62	....	74	....	1160	....	408	146	....
Total	3337	2652	2429	2136	2043	2276	4124	31615	34838	22089	7301	3204
Mean.	108	88.4	78.4	68.9	70.4	73.4	137	1020	1161	713	236	107
Max..	131	106	90	79	79	80	245	1880	1420	1150	359	139
Min....	96	72	70	58	65	67	74	170	848	408	146	79
Acre-ft.	6620	5260	4820	4240	4050	4510	8180	62710	69100	43810	14480	6360

Total run-off for period=234,100 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of San Miguel River at Naturita, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	93	135	122	150	114	110	247	1180	648	635	242	468
2....	91	135	126	160	117	110	303	1110	1040	581	232	354
3....	93	135	130	150	115	100	456	1130	865	484	234	274
4....	88	135	135	128	82	105	662	1260	640	468	206	237
5....	88	135	118	104	114	110	745	1330	504	424	175	210
6....	82	135	117	114	99	100	922	1040	472	406	177	184
7....	80	135	120	150	88	110	982	1200	492	374	220	168
8....	77	130	126	132	114	115	780	1070	622	357	188	158
9....	79	130	126	132	128	120	599	870	760	344	195	150
10....	80	130	123	135	109	115	484	735	695	344	212	137
11....	80	130	112	140	96	115	371	640	695	312	378	125
12....	82	130	112	130	112	110	374	599	630	288	413	118
13....	125	130	115	130	115	115	424	581	540	297	328	112
14....	130	130	122	130	115	120	685	518	456	280	252	117
15....	132	130	122	135	117	115	952	468	388	309	239	110
16....	156	130	123	130	122	110	928	420	406	291	357	104
17....	152	130	123	140	123	115	855	378	484	250	424	109
18....	146	130	126	100	128	115	1040	357	590	224	586	114
19....	144	130	125	72	135	106	1070	354	640	203	730	112
20....	139	130	122	95	139	106	1190	344	676	229	522	106
21....	137	130	118	*114	137	104	1100	350	765	277	424	104
22....	137	130	141	190	135	102	1060	347	800	252	436	101
23....	135	130	148	173	130	114	1080	340	825	220	334	94
24....	133	135	150	139	120	109	1130	378	805	197	671	88
25....	135	125	145	115	115	110	1010	484	805	195	622	88
26....	135	122	135	96	110	117	970	612	845	188	436	94
27....	135	128	145	132	110	130	910	563	785	188	432	106
28....	135	123	140	126	110	144	904	563	765	175	324	128
29....	140	122	135	123	....	184	982	725	730	166	334	109
30....	135	126	140	120	....	244	1050	790	666	406	436	96
31....	135	....	145	128	....	257	....	705	....	239	653	....
Total	3629	3906	3987	4013	3249	3837	24265	21441	20034	9603	11412	4475
Mean.	117	130	129	129	116	124	809	692	668	310	368	149
Max.	156	135	150	190	139	257	1190	1330	1040	635	730	468
Min.	77	122	112	72	82	100	247	340	388	166	175	88
Acre-ft.	7200	7750	7910	7960	6440	7610	48130	42530	39740	19050	22640	8880

Total run-off for period=225,800 acre-feet.

*Winter discharge measurement made on this day.

Discharge of San Miguel River at Naturita, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	90	114	86	78	76	106	133	1080	1890	1050	334	80
2....	87	106	93	82	80	114	144	995	1850	980	303	73
3....	85	99	84	78	74	119	174	620	2060	1050	285	73
4....	79	102	81	76	86	113	250	492	1980	960	263	70
5....	81	103	88	74	82	107	353	785	1620	960	239	69
6....	80	103	103	82	80	96	341	1480	1340	960	224	70
7....	78	99	91	78	82	88	365	2030	1420	880	217	70
8....	79	100	91	74	86	88	340	2300	1510	820	217	69
9....	78	100	95	72	90	98	365	2780	1500	860	250	66
10....	74	109	95	76	84	109	325	2800	1730	820	271	65
11....	79	105	84	82	76	119	360	3050	1790	740	234	63
12....	85	103	85	80	78	125	500	3260	1600	680	210	62
13....	86	105	96	76	80	131	550	4140	1460	620	195	62
14....	78	106	90	76	84	156	460	4080	1530	580	181	65
15....	80	102	84	80	98	120	340	4100	1450	540	170	65
16....	79	102	76	84	100	102	315	3900	1460	500	162	64
17....	75	100	66	*78	99	109	300	3240	1220	520	150	62
18....	74	100	78	76	98	126	280	2300	1210	540	146	60
19....	105	100	105	76	88	126	330	2050	1360	520	186	58
20....	122	100	105	78	91	126	370	2000	1530	720	154	56
21....	116	99	93	82	98	126	340	1920	1610	680	135	53
22....	107	103	91	84	98	110	300	2140	1510	600	130	50
23....	105	114	91	84	95	109	280	2370	1450	550	118	48
24....	100	109	86	80	100	114	310	2500	1480	470	120	47
25....	99	107	74	76	100	117	350	2230	1300	500	170	46
26....	99	102	82	72	99	119	330	1960	1400	444	152	47
27....	98	88	75	72	99	105	560	1680	1250	416	123	51
28....	98	79	74	74	96	102	1150	1650	1150	388	112	55
29....	110	84	75	78	95	98	1050	1870	1050	388	102	58
30....	126	87	72	80	....	103	960	1890	1100	410	98	60
31....	122	....	73	78	....	114	....	1910	....	385	88	....
Total	2854	3030	2672	2416	2592	3495	12225	69602	44810	20531	5739	1837
Mean.	92.1	101	86.2	77.9	89.4	113	408	2245	1494	662	185	61.2
Max.	126	114	105	84	100	156	1150	4140	2060	1050	334	80
Min.	74	79	66	72	74	88	133	492	1050	385	88	46
Acre-ft.	5660	6010	5300	4790	5140	6930	24250	138100	88880	40720	11380	3640

Total run-off for period=340,800 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Fall Creek Near Fall Creek, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	12	120	129	69	27	22
2....	12	90	229	65	27	20
3....	12	113	98	57	25	18
4....	12	183	67	54	23	17
5....	12	129	56	48	22	16
6....	12	93	60	46	25	15
7....	12	103	71	44	24	14
8....	12	76	88	40	22	13
9....	12	60	103	38	22	12
10....	14	54	123	38	25	12
11....	14	54	123	34	30	12
12....	14	56	110	34	26	12
13....	14	57	83	33	25	12
14....	16	50	62	33	22	12
15....	8.0	7.0	6.0	5.5	7.0	8.0	20	45	57	33	21	12
16....	20	42	60	30	24	11
17....	22	39	65	29	22	12
18....	24	39	80	27	24	11
19....	29	38	96	27	32	10
20....	34	39	113	50	30	10
21....	37	46	116	43	24	10
22....	46	39	116	33	22	10
23....	59	44	110	29	23	10
24....	65	56	106	28	27	10
25....	65	73	110	27	27	10
26....	69	80	113	27	31	10
27....	65	71	106	28	30	10
28....	69	88	96	27	26	10
29....	88	141	90	25	21	10
30....	100	129	78	27	27	10
31....	120	....	27	25	....
Total	248	210	186	170.5	196	248	992	2367	2914	1150	781	373
Mean	8.0	7.0	6.0	5.5	7.0	8.0	33.0	76.4	97.1	38.3	25.2	12.4
Max.	100	183	229	69	32	22
Min.	14	38	56	25	21	10
Acre-ft.	492	417	369	338	389	492	1970	4690	5780	2280	1550	740

Total run-off for period==19,510 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Fall Creek Near Fall Creek, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	9.8	7.8	6.0	4.5	4.0	6.0	6.8	24	158	152	31	9.4
2....	9.6	13	6.0	4.5	4.0	6.0	6.8	24	168	142	31	9.4
3....	9.2	10	6.0	4.5	4.0	6.0	*7.0	24	162	140	28	9.2
4....	9.0	9.4	6.0	4.5	4.0	6.0	7.4	22	136	134	27	9.2
5....	9.2	10	6.0	4.5	4.0	6.0	8.2	38	132	130	24	9.0
6....	9.2	10	6.0	4.5	4.0	6.0	10	50	136	128	24	9.0
7....	8.8	9.2	6.0	4.5	4.0	6.0	10	60	152	115	24	9.0
8....	8.4	9.0	6.0	4.5	4.0	6.0	10	70	154	106	24	9.0
9....	8.2	9.6	6.0	4.5	4.0	6.0	10	*7.7	162	106	31	9.0
10....	8.2	10	6.0	4.5	4.0	6.0	10	100	180	105	27	9.0
11....	8.6	9.4	6.0	4.5	4.0	6.0	11	130	182	93	22	8.7
12....	9.1	9.6	6.0	4.5	4.0	6.0	13	160	168	84	21	8.7
13....	9.0	9.6	6.0	4.5	4.0	6.0	14	200	154	79	20	8.4
14....	8.6	9.6	6.0	4.5	4.0	6.0	14	290	160	74	19	8.4
15....	8.4	9.4	6.0	4.5	4.0	6.0	12	250	160	70	18	8.7
16....	8.2	*9.2	6.0	4.5	4.0	6.0	11	200	156	63	17	8.7
17....	7.8	9.2	6.0	*4.5	4.0	6.0	10	170	134	61	16	8.4
18....	8.4	9.2	6.0	4.5	4.0	6.0	10	150	134	58	17	8.1
19....	9.4	9.2	6.0	4.5	4.0	6.0	11	140	148	64	18	8.1
20....	9.2	9.2	6.0	4.5	4.0	6.0	11	125	162	77	17	7.8
21....	8.2	9.4	6.0	4.5	*4.0	6.0	11	140	165	60	15	7.8
22....	7.4	9.8	6.0	4.5	4.0	6.0	9.8	178	158	53	14	7.8
23....	7.0	9.8	6.0	4.5	4.0	*6.0	9.4	172	154	49	13	7.8
24....	6.8	9.2	6.0	4.5	4.0	6.0	9.6	160	168	56	12	7.8
25....	7.4	8.4	6.0	4.5	4.0	6.0	10	150	170	50	14	8.4
26....	7.1	7.6	6.0	4.5	4.0	6.0	13	130	185	45	12	9.4
27....	6.8	6.8	6.0	4.5	4.0	6.0	17	120	170	43	11	12
28....	7.6	6.4	6.0	4.5	4.0	6.0	24	120	156	40	10	9.0
29....	9.4	7.0	6.0	4.5	4.0	6.0	23	142	150	42	9.7	7.8
30....	8.7	6.6	6.0	4.5	....	6.0	21	152	156	38	9.7	7.2
31....	8.7	....	6.0	4.5	....	6.0	....	165	....	35	9.6	....
Total	261.4	272.6	186.0	139.5	116.0	186.0	351.0	3933	4730	2492	586.0	260.2
Mean	8.43	9.09	6.0	4.5	4.0	6.0	11.7	127	158	80.4	18.9	8.67
Max.	9.8	13	....	....	....	....	24	290	185	152	31	12
Min.	6.8	6.4	....	....	....	....	6.8	22	132	35	9.6	7.2
Acre-ft.	518	541	369	277	230	369	696	7800	9380	4940	1160	516

Total run-off for period==26,800 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Beaver Creek Near Norwood, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.6	7.5	....	....	....	....	....	138	35	4.2	2.0	3.0
2....	0.6	7.5	....	....	....	....	....	125	68	3.7	1.5	2.0
3....	0.2	8.4	....	....	....	....	....	136	36	3.0	1.4	1.7
4....	0.6	8.4	....	....	....	....	Apr. 6	169	25	2.5	1.0	1.6
5....	0.6	6.6	....	....	....	....	to 30	128	22	2.0	1.1	1.5
6....	0.6	8.6	....	....	....	....	38	86	20	1.7	1.5	1.4
7....	0.6	7.0	....	....	....	....	39	84	14	1.7	1.7	1.4
8....	0.6	7.0	....	....	....	....	36	50	20	2.0	1.6	1.4
9....	0.6	7.9	....	....	....	....	29	38	23	1.7	1.5	1.2
10....	0.6	5.7	....	....	....	....	24	33	26	1.4	2.5	1.2
11....	0.6	5.8	....	....	....	....	19	33	27	1.0	2.7	1.2
12....	0.7	6.4	....	....	....	....	16	31	22	0.7	2.0	1.1
13....	1.2	7.2	....	....	....	....	19	30	17	0.6	1.9	1.1
14....	2.0	8.0	....	....	....	....	24	22	13	0.6	1.1	1.4
15....	1.6	7.5	....	....	....	....	30	22	11	0.6	0.6	1.2
16....	1.5	7.5	....	....	....	....	38	18	9.9	0.6	1.9	1.2
17....	2.2	7.5	....	....	....	....	39	16	8.8	0.6	2.5	1.6
18....	1.7	7.0	....	....	....	....	42	16	8.4	0.6	3.4	1.5
19....	1.4	6.6	....	....	....	....	57	14	9.9	0.6	7.0	1.4
20....	2.7	6.6	....	....	....	....	74	14	11	4.2	7.5	1.4
21....	3.4	Nov. 1	....	....	....	....	80	14	9.9	5.7	3.0	1.4
22....	3.2	to 20	....	....	....	....	98	14	9.4	3.4	2.5	1.5
23....	3.4	....	....	....	....	....	133	13	8.4	1.9	2.0	1.4
24....	5.7	....	....	....	....	....	128	14	7.0	1.6	3.2	1.5
25....	6.2	....	....	....	....	....	110	24	7.0	1.9	3.7	1.5
26....	5.7	....	....	....	....	....	103	37	7.0	2.0	2.2	1.7
27....	5.3	....	....	....	....	....	101	32	7.0	1.4	1.9	2.5
28....	6.6	....	....	....	....	....	110	30	5.7	1.0	1.6	2.2
29....	7.0	....	....	....	....	....	125	50	5.3	0.7	2.2	1.6
30....	5.7	....	....	....	....	....	154	45	4.8	1.7	3.2	1.9
31....	7.0	....	....	....	....	....	....	37	....	2.7	4.4	....
Total	80.4	144.9	....	....	....	....	1666	1513	498.5	58.0	76.3	46.7
Mean.	2.59	7.24	....	....	....	....	66.6	48.8	16.6	1.87	2.46	1.56
Max..	7.0	8.8	....	....	....	....	154	169	68	5.7	7.5	3.0
Min..	0.2	5.7	....	....	....	....	16	13	4.8	0.6	0.6	1.1
Acre-ft.	159	287	....	....	....	....	3300	3000	989	115	151	93

Total run-off for period=8,094 acre-feet.

Discharge of Beaver Creek Near Norwood, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.6	5.3	7.0	6.0	5.0	7.0	13	27	225	34	1.5	0.3
2....	1.5	5.3	7.0	6.0	5.0	7.0	13	29	204	38	1.4	0.2
3....	1.2	6.6	7.0	6.0	5.0	7.0	13	29	195	44	1.4	0.2
4....	1.5	5.3	7.0	6.0	5.0	7.0	13	26	138	26	1.2	0.2
5....	1.6	4.4	7.0	6.0	5.0	7.0	13	30	141	25	1.0	0.2
6....	2.2	4.2	7.0	6.0	5.0	7.0	13	35	159	22	0.9	0.2
7....	2.7	4.8	7.0	6.0	5.0	7.0	13	50	180	19	0.8	0.2
8....	2.7	4.4	7.0	6.0	5.0	7.0	13	60	186	17	0.8	0.2
9....	3.0	6.2	7.0	6.0	5.0	7.0	13	70	234	18	1.7	0.1
10....	2.7	10	7.0	6.0	5.0	7.0	13	92	267	16	2.2	0.1
11....	3.7	9.4	7.0	6.0	5.0	7.0	13	110	255	14	1.6	0.1
12....	6.6	6.2	7.0	6.0	5.0	7.0	13	174	195	11	0.9	0.1
13....	4.2	5.7	7.0	6.0	5.0	7.0	13	237	168	8.0	0.8	0.1
14....	4.8	4.8	7.0	6.0	5.0	7.0	13	291	156	3.1	0.6	0.1
15....	6.6	4.4	7.0	6.0	5.0	7.0	13	394	144	2.9	0.5	0.1
16....	5.7	4.8	7.0	6.0	5.0	7.0	13	429	130	2.9	0.6	0.2
17....	5.3	6.3	7.0	6.0	5.0	7.0	13	324	108	2.6	0.5	0.5
18....	5.3	7.6	7.0	6.0	5.0	7.0	13	237	100	2.5	0.6	1.2
19....	10	8.2	7.0	6.0	5.0	7.0	13	243	98	2.6	1.0	1.1
20....	6.2	8.2	7.0	6.0	5.0	7.0	13	240	108	4.5	1.4	1.3
21....	4.4	8.2	7.0	6.0	5.0	7.0	13	291	112	2.9	0.9	1.8
22....	5.3	8.6	7.0	6.0	5.0	7.0	13	370	115	2.6	0.5	1.5
23....	4.4	8.6	7.0	6.0	5.0	7.0	13	426	92	2.4	0.3	1.6
24....	3.9	8.2	7.0	6.0	5.0	7.0	13	394	100	4.5	2.0	1.2
25....	4.2	8.0	7.0	6.0	5.0	7.0	13	324	105	3.6	3.6	2.1
26....	4.2	7.6	7.0	6.0	5.0	7.0	13	246	125	2.6	1.8	2.0
27....	4.4	7.4	7.0	6.0	5.0	7.0	13	210	90	2.6	1.3	4.1
28....	4.8	7.4	7.0	6.0	5.0	7.0	13	204	53	2.4	0.9	2.3
29....	6.6	7.4	7.0	6.0	5.0	7.0	13	222	37	2.2	0.7	2.0
30....	6.2	7.4	7.0	6.0	....	7.0	13	234	38	1.9	0.6	1.8
31....	4.4	....	7.0	6.0	....	7.0	....	219	....	1.7	0.5	....
Total	131.9	200.9	217.0	186.0	145.0	217.0	390	6267	4258	3425	34.5	27.1
Mean.	4.25	6.70	7.0	6.0	5.0	7.0	13	202	142	11.0	111	0.90
Max..	10	10	....	....	....	....	....	429	267	44	3.6	4.1
Min..	1.2	4.2	....	....	....	....	....	26	37	1.7	0.3	0.1
Acre-ft.	262	398	430	369	288	430	774	12430	8450	679	68	54

Total run-off for period=24,630 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Cottonwood Creek Near Nucla, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.1	0.5	0.3	....	....	....	9.5	31	6.6	0.7	0.4	0.3
2....	0.1	0.4	0.3	....	....	....	16	28	10	0.7	0.5	0.3
3....	0.2	0.3	0.3	....	....	....	33	27	8.6	0.7	0.4	0.3
4....	0.2	0.4	0.3	....	....	....	40	40	7.1	0.7	0.3	0.3
5....	0.2	0.3	0.4	....	....	....	56	50	6.2	0.7	0.3	0.3
6....	0.2	0.5	0.3	....	....	....	69	32	5.2	0.7	0.3	0.3
7....	0.2	0.5	Dec. 1 to 6	....	....	....	74	40	4.5	0.7	0.3	0.3
8....	0.2	0.5		....	....	....	51	27	3.7	0.7	0.3	0.3
9....	0.2	0.5	....	....	....	....	26	24	2.9	0.6	0.3	0.3
10....	0.2	0.5	....	....	....	....	15	19	2.5	0.6	0.3	0.3
11....	0.2	0.5	....	....	....	....	11	16	2.1	0.5	0.7	0.3
12....	0.3	0.5	....	....	....	....	10	13	1.9	0.5	0.4	0.3
13....	0.3	0.5	....	....	....	....	20	12	1.9	0.5	0.3	0.3
14....	0.3	0.5	....	....	....	....	49	12	1.8	0.5	0.3	0.3
15....	0.3	0.4	....	....	....	....	69	11	1.8	0.5	0.3	0.3
16....	0.3	0.4	....	....	....	....	64	9.2	1.6	0.5	0.3	0.3
17....	0.3	0.3	....	....	....	....	60	8.4	1.5	0.4	1.4	0.3
18....	0.3	0.3	....	....	....	....	77	7.8	1.5	0.4	4.1	0.3
19....	0.3	0.3	....	....	....	....	72	7.1	1.4	0.4	10	0.3
20....	0.3	0.3	....	....	....	....	77	7.1	1.1	0.5	0.7	0.3
21....	0.3	0.3	....	....	....	....	71	7.3	1.0	0.4	0.5	0.3
22....	0.3	0.3	....	....	....	....	62	7.1	0.9	0.4	0.7	0.3
23....	0.3	0.3	....	....	....	....	62	6.6	0.8	0.4	1.1	0.3
24....	0.3	0.3	....	....	....	....	53	6.6	0.8	0.3	0.5	0.3
25....	0.3	0.3	....	....	....	....	43	7.1	0.8	0.3	0.6	0.3
26....	0.3	0.3	....	....	....	....	36	7.1	0.7	0.3	0.4	0.3
27....	0.3	0.3	....	....	....	....	34	7.1	0.8	0.3	0.3	0.3
28....	0.4	0.3	....	....	....	....	34	6.6	0.7	0.3	0.3	0.3
29....	0.5	0.3	....	....	....	....	34	7.3	0.7	0.5	0.3	0.3
30....	0.5	0.3	....	....	....	....	35	8.1	0.8	0.5	0.4	0.3
31....	0.5	....	....	....	....	10	....	7.3	....	0.4	0.3	....
Total	8.7	11.4	1.9	....	....	....	1362.5	499.8	81.9	15.6	27.3	9.0
Mean..	.28	.38	.32	....	....	....	45.4	16.1	2.73	.50	.88	.30
Max...	0.5	0.5	0.4	....	....	....	77	50	10	0.7	10	0.3
Min...	0.1	0.3	0.3	....	....	....	9.5	6.6	0.7	0.3	0.3	0.3
Acre-ft.	17	23	3.8	....	....	....	2700	991	162	31	54	18

Total run-off for period=3,999.8 acre-feet.

Discharge of Cottonwood Creek Near Nucla, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.3	0.2	0.2	0.1	0.1	0.2	0.1	58	25	1.7	0.5	0.2
2....	0.3	0.2	0.2	0.1	0.1	0.2	0.1	47	24	1.6	0.5	0.2
3....	0.3	0.2	0.2	0.1	0.1	0.2	0.1	27	32	1.8	0.4	0.2
4....	0.3	0.2	0.2	0.1	0.1	0.2	0.1	24	34	1.7	0.4	0.2
5....	0.3	0.2	0.2	0.1	0.1	0.2	1.1	43	30	1.6	0.4	0.2
6....	0.3	0.2	0.2	0.1	0.1	0.2	3.7	69	26	1.5	0.4	0.2
7....	0.3	0.2	0.2	0.1	0.1	0.2	3.9	68	25	1.4	0.3	0.2
8....	0.3	0.2	0.2	0.1	0.1	0.2	3.2	108	24	1.3	0.3	0.2
9....	0.3	0.2	0.2	0.1	0.1	0.2	2.6	124	22	1.4	0.4	0.2
10....	0.3	0.2	0.2	0.1	0.1	0.2	1.7	117	22	1.3	0.3	0.1
11....	0.3	0.2	0.2	0.1	0.1	0.2	3.9	137	20	1.2	0.3	0.1
12....	0.3	0.2	0.2	0.1	0.1	0.2	6.8	134	18	1.1	0.3	0.1
13....	0.3	0.2	0.2	0.1	0.1	0.2	7.1	102	16	1.0	0.3	0.1
14....	0.3	0.2	0.2	0.1	0.1	0.2	3.4	103	13	0.9	0.3	0.1
15....	0.3	0.2	0.2	0.1	0.1	0.2	2.4	86	12	0.8	0.3	0.1
16....	0.3	0.1	0.2	0.1	0.1	0.2	3.7	74	11	0.7	0.2	0.1
17....	0.3	0.1	0.2	0.1	0.1	0.2	2.2	53	9.6	0.6	0.2	0.1
18....	0.3	0.1	0.2	0.1	0.1	0.2	1.9	43	8.3	0.6	0.2	0.1
19....	0.3	0.1	0.2	0.1	0.1	0.2	2.5	41	6.8	0.7	0.3	0.1
20....	0.3	0.1	0.2	0.1	0.1	0.2	3.4	41	5.0	0.8	0.2	0.1
21....	0.2	0.1	0.2	0.1	0.1	0.2	1.9	45	3.1	0.7	0.2	0.1
22....	0.2	0.1	0.2	0.1	0.1	0.2	1.5	48	2.5	0.6	0.2	0.1
23....	0.2	0.1	0.2	0.1	0.1	0.1	2.2	49	2.2	0.6	0.2	0.1
24....	0.2	0.1	0.2	0.1	0.1	0.1	7.1	44	1.9	0.7	0.2	0.1
25....	0.2	0.1	0.2	0.1	0.1	0.1	7.3	38	2.1	0.7	0.2	0.2
26....	0.2	0.1	0.2	0.1	0.1	0.1	10	36	2.2	0.6	0.2	0.2
27....	0.2	0.1	0.2	0.1	0.1	0.1	16	31	2.0	0.6	0.2	0.2
28....	0.2	0.2	0.2	0.1	0.1	0.1	32	30	1.9	0.6	0.2	0.3
29....	0.2	0.2	0.2	0.1	0.1	0.1	18	28	1.7	0.5	0.2	0.3
30....	0.2	0.2	0.2	0.1	....	0.1	34	27	1.7	0.5	0.2	0.3
31....	0.2	....	0.2	0.1	....	0.1	....	26	....	0.5	0.2	....
Total	8.2	4.8	6.2	3.1	2.9	5.3	183.9	1901	405.0	30.3	8.7	4.8
Mean..	0.26	0.16	0.2	0.1	0.1	1.8	6.13	61.3	13.5	0.98	0.28	0.16
Max...	0.3	0.2	....	....	....	....	34	137	34	1.8	0.5	0.3
Min...	0.2	0.1	....	....	....	....	0.1	24	1.7	0.5	0.2	0.1
Acre-ft.	16	9.5	12	6.1	5.8	11	365	3770	803	60	17	9.5

Total run-off for period=5,080 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Naturita Creek Near Norwood, Colo., for Year Ending Sept. 30, 1942.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	4.0	12	....	....	....	....	14	96	134	3.6	2.2	0.3
2....	3.6	12	....	....	....	....	18	100	114	3.8	3.0	0.2
3....	6.0	11	....	....	....	....	20	94	102	3.4	2.8	0.4
4....	16	9.9	....	....	....	....	20	100	93	3.3	2.4	0.8
5....	12	9.0	....	....	....	....	30	110	89	3.3	2.1	0.5
6....	9.0	9.0	....	....	....	....	30	112	76	3.2	2.0	0.9
7....	5.2	8.2	....	....	....	....	34	124	59	3.0	1.9	0.7
8....	5.4	8.2	....	....	....	....	40	134	51	2.9	1.7	0.5
9....	5.0	8.2	....	....	....	....	54	142	46	2.8	1.6	0.3
10....	4.4	8.2	....	....	....	....	70	159	36	2.8	1.6	0.2
11....	4.4	8.2	....	....	....	....	85	160	27	2.7	1.9	1.5
12....	15	8.2	....	....	....	....	100	162	23	2.7	6.8	1.6
13....	84	9.9	....	....	....	....	110	141	23	2.6	5.2	0.9
14....	34	8.2	....	....	....	....	160	124	22	2.7	2.7	0.6
15....	16	7.4	....	....	....	....	150	123	22	2.7	2.0	0.5
16....	12	7.4	....	....	....	....	160	123	20	2.7	1.6	0.3
17....	11	8.2	....	....	....	....	160	128	19	4.5	1.6	0.2
18....	9.9	9.0	....	....	....	....	150	128	16	4.0	1.6	0.2
19....	9.0	8.8	....	....	....	....	140	135	19	2.9	1.6	0.2
20....	9.0	8.2	....	....	....	....	130	144	17	3.0	1.6	0.2
21....	40	7.4	....	....	....	....	150	160	15	3.0	1.5	0.3
22....	19	8.6	....	....	....	....	160	168	25	3.0	1.4	0.3
23....	11	8.2	....	....	....	....	170	166	31	2.8	1.5	0.3
24....	14	8.1	....	....	....	....	160	178	22	2.8	2.0	0.3
25....	73	8.4	....	....	....	....	140	174	7.2	2.6	2.1	0.3
26....	36	8.6	....	....	....	....	130	182	5.6	2.3	1.5	0.3
27....	20	8.4	....	....	....	....	120	182	4.2	2.6	0.7	0.3
28....	26	7.8	....	....	....	....	120	166	4.5	2.6	0.6	0.2
29....	22	7.4	....	....	....	....	110	159	4.5	2.6	0.5	0.2
30....	15	7.0	....	....	....	....	100	150	3.9	2.6	0.3	0.2
31....	12	....	....	....	....	....	....	140	....	2.5	0.3	....
Total	562.9	259.1	....	....	....	....	3035	4364	1130.9	92.0	60.3	13.7
Mean..	18.2	8.64	....	....	....	....	101	141	37.7	2.97	1.95	0.46
Max...	84	12	....	....	....	....	170	182	134	4.5	6.8	1.6
Min...	3.6	7.0	....	....	....	....	14	94	3.9	2.3	0.3	0.2
Acre-ft.	1120	514	....	....	....	....	6020	8660	2240	182	120	27

Total run-off for period=18,880 acre-feet.

Discharge of Naturita Creek Near Norwood, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.3	2.2	....	....	....	....	....	74	12	1.8	1.0	2.5
2....	0.3	2.3	....	....	....	....	....	62	18	1.6	2.6	1.8
3....	0.3	2.1	....	....	....	....	....	74	10	1.6	1.5	1.2
4....	0.3	2.1	....	....	....	....	Apr. 6	87	6.8	1.5	1.2	0.8
5....	0.3	2.0	....	....	....	....	to 30	64	6.0	1.5	1.2	0.7
6....	0.3	2.2	....	....	....	....	62	52	4.5	1.3	1.0	0.7
7....	0.4	2.0	....	....	....	....	31	50	3.4	1.4	0.9	0.7
8....	0.5	2.1	....	....	....	....	15	38	3.6	1.4	1.0	0.5
9....	0.5	2.1	....	....	....	....	10	32	3.8	1.4	1.8	0.5
10....	0.5	1.7	....	....	....	....	5.7	28	3.9	1.0	2.8	0.4
11....	0.5	Nov. 1	....	....	....	....	5.5	28	3.9	1.0	2.1	0.5
12....	0.8	to 10	....	....	....	....	8.0	26	4.0	1.0	1.7	1.0
13....	2.7	....	....	....	....	....	10	20	3.9	0.9	1.5	8.0
14....	1.7	....	....	....	....	....	12	14	3.8	0.5	1.3	1.4
15....	1.3	....	....	....	....	....	14	13	3.3	0.5	3.6	0.8
16....	1.5	....	....	....	....	....	15	11	3.0	0.6	4.8	0.7
17....	2.2	....	....	....	....	....	16	10	3.0	0.5	9.8	0.6
18....	1.9	....	....	....	....	....	17	10	2.7	0.5	2.0	0.5
19....	1.7	....	....	....	....	....	19	10	2.5	0.7	2.1	0.4
20....	1.6	....	....	....	....	....	20	9.8	2.4	1.6	7.6	0.3
21....	1.6	....	....	....	....	....	23	9.6	2.4	5.0	4.0	0.4
22....	1.7	....	....	....	....	....	27	9.2	2.4	1.6	4.0	0.4
23....	1.8	....	....	....	....	....	32	9.0	2.0	1.1	5.2	0.3
24....	1.8	....	....	....	....	....	38	9.8	1.6	1.3	1.4	0.4
25....	1.7	....	....	....	....	....	44	11	1.7	1.9	5.8	0.5
26....	1.7	....	....	....	....	....	47	14	1.8	1.2	1.8	1.0
27....	1.8	....	....	....	....	....	45	13	1.9	1.0	1.5	5.2
28....	1.8	....	....	....	....	....	50	11	1.8	0.9	1.3	1.5
29....	2.6	....	....	....	....	....	58	16	2.0	0.9	1.2	0.9
30....	2.2	....	....	....	....	....	68	15	2.0	1.6	2.5	0.8
31....	2.0	....	....	....	....	....	....	13	....	1.4	7.4	....
Total	40.3	20.8	....	....	....	....	692.2	843.4	124.1	40.2	237.9	35.4
Mean..	1.30	2.08	....	....	....	....	27.7	27.2	4.14	1.30	7.67	1.18
Max...	2.7	2.3	....	....	....	....	68	87	18	5.0	4.8	8.0
Min...	0.3	1.7	....	....	....	....	5.5	9.0	1.6	0.5	0.9	0.3
Acre-ft.	80	41	....	....	....	....	1370	1670	246	80	472	70

Total run-off for period=4,030 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Naturita Creek Near Norwood, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.8	1.6	....	....	....	....	22	93	97	5.1	1.4	0.5
2....	0.8	1.5	....	....	....	....	24	43	91	3.8	1.4	0.3
3....	0.7	1.5	....	....	....	....	30	19	139	3.8	1.4	0.3
4....	0.6	1.6	....	....	....	....	40	28	96	3.6	1.4	0.2
5....	0.6	1.6	....	....	....	....	56	56	61	3.3	1.5	0.2
6....	0.5	1.4	....	....	....	....	52	76	46	2.7	1.5	0.2
7....	0.6	1.3	....	....	....	....	48	82	53	2.5	1.5	0.2
8....	0.6	1.2	....	....	....	....	63	87	50	2.2	1.5	0.2
9....	0.7	1.5	....	....	....	....	23	100	46	2.0	2.1	0.2
10....	0.8	2.0	....	....	....	....	27	107	47	1.8	1.9	0.1
11....	1.9	2.1	....	....	....	....	46	140	44	1.8	1.7	0.1
12....	2.0	2.0	....	....	....	....	50	160	41	1.7	1.5	0.1
13....	1.3	1.9	....	....	....	....	38	194	34	1.6	1.4	0.1
14....	1.2	1.9	....	....	....	....	10	228	31	1.5	1.2	0.1
15....	1.0	1.9	....	....	....	....	15	256	25	1.6	1.3	0.1
16....	1.0	1.9	....	....	....	....	7.2	240	23	1.3	1.5	0.1
17....	1.0	2.0	....	....	....	....	7.6	189	17	1.3	1.3	0.1
18....	0.9	2.5	....	....	....	....	16	151	13	1.5	1.2	0.3
19....	4.4	2.3	....	....	....	....	16	134	9.8	1.7	3.7	1.1
20....	2.7	2.0	....	....	....	....	7.0	142	9.8	2.1	1.7	0.6
21....	2.0	1.9	....	....	....	....	9.2	142	8.6	1.8	1.3	0.1
22....	1.6	2.0	....	....	....	....	7.2	162	6.6	1.7	1.1	0.1
23....	1.3	1.9	....	....	....	....	15	174	3.8	2.2	0.9	0.1
24....	1.2	1.8	....	....	....	....	20	168	3.8	2.8	2.7	0.1
25....	1.2	1.5	....	....	....	....	17	148	3.8	1.9	1.8	0.3
26....	1.3	1.4	....	....	....	....	19	133	4.2	1.5	1.3	0.6
27....	1.3	1.2	....	....	....	....	36	118	3.8	1.3	1.1	0.6
28....	1.3	1.3	....	....	....	....	62	112	3.8	1.3	0.9	0.6
29....	1.8	1.3	....	....	....	....	38	108	4.2	1.4	0.7	0.4
30....	1.8	1.2	....	....	....	....	94	105	5.6	1.5	0.6	0.2
31....	1.7	....	....	....	....	....	....	104	....	1.4	0.6	....
Total	40.6	51.2	....	....	....	....	915.2	3999	1021.8	65.7	45.1	8.2
Mean.	1.31	1.71	....	....	....	....	30.5	129	34.1	2.12	1.45	0.27
Max..	4.4	2.5	....	....	....	....	94	256	139	5.1	3.7	1.1
Min..	0.5	1.2	....	....	....	....	7.0	19	3.8	1.3	0.6	0.1
Acre-ft.	81	102	....	....	....	....	1820	7930	2030	130	89	16

Total run-off for period==12,200 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

GREEN RIVER BASIN

GREEN RIVER NEAR LINWOOD, UTAH

Location—Water stage recorder in SW $\frac{1}{4}$ Sec. 29, T. 3 N., R. 21 E., $\frac{1}{4}$ mile upstream from Henrys Fork, 2 miles south of Wyoming-Utah State line, and 5 miles southeast of Linwood.

Drainage Area—14,300 square miles. Zero of gage is 5,844.64 feet above mean sea level, unadjusted.

Records Available—October, 1928 to September 30, 1944.

Maximum discharge during period 1928-1944; that of April 3, 1944.

Maximum Discharge—Year 1943; 12,900 second feet June 4. Gage height 9.10 feet.

Maximum Discharge—Year 1944; 15,400 second feet April 3. Gage height 9.84 feet.

Accuracy—Records considered excellent except those for periods of ice effect, November 17, 20, 21, 26, 1942 to March 10, 1943, and December 6, 8, 1943 to April 1, 1944, which are fair.

Diversions for irrigation above station.

YAMPA RIVER NEAR YAMPA, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 12, T. 1 N., R. 86 W., just below Forest Service bridge, $\frac{1}{4}$ mile downstream from Gardner Creek and 7 miles southwest of Yampa.

Drainage Area—39.9 square miles.

Records Available—October 1, 1942 to September 30, 1944.

Maximum discharge during period; that of June 10, 1944.

Maximum Discharge—Year 1943; 163 second feet June 2. Gage height 1.86 feet.

Maximum Discharge—Year 1944; 179 second feet June 10. Gage height 1.88 feet.

Accuracy—Records considered good except for periods of ice effect, from October 30 to November 1, 1942, November 5, 1942 to March 22, 1943, and November 2-4, 6-21, 26-30, December 1-9, 23, 28-31, January 1-23, 1944, February 11-23, March 8-12, 14-21, 1944, which were computed on basis of discharge measurements, weather records, and records for stations near Oak Creek and Steamboat Springs.

Flow regulated by Stillwater Reservoir, capacity 6,090 acre feet. There are two diversions for irrigation above station.

YAMPA RIVER NEAR OAK CREEK, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ Sec. 29, T. 4 N., R. 84 W., 1 mile upstream from Morrison Creek and 6 $\frac{1}{2}$ miles east of Oak Creek.

Drainage Area—227 square miles.

Records Available—October 1, 1942 to September 30, 1944.

Maximum discharge during period; that of June 2, 1943.

Maximum Discharge—Year 1943; 280 second feet June 2. Gage height 4.54 feet.

Maximum Discharge—Year 1944; 183 second feet May 15. Gage height 4.09 feet.

Accuracy—Records considered good except for period of ice effect, from October 31 to November 3, November 5, 1942 to April 2, 1943 and November 3-5, 7-12, 27-28, December 1, 1943 to April 6, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Diversions for storage and irrigation above station.

YAMPA RIVER AT STEAMBOAT SPRINGS, COLORADO

Location—Water stage recorder in Sec. 17, T. 6 N., R. 84 W., at First Street bridge in Steamboat Springs, $\frac{1}{4}$ mile upstream from Soda Creek.

Drainage Area—604 square miles. Zero of gage is 6,696.23 feet above mean sea level, adjustment of 1912.

Records Available—May 3, 1904 to October 31, 1906, March 1, 1910 to September 30, 1944.

Maximum discharge during period 1904-1906, 1910-1944; 6,820 second feet June 14, 1941. Gage height 7.08 feet.

Maximum Discharge—Year 1943; 3,300 second feet May 30. Gage height 5.10 feet.

Maximum Discharge—Year 1944; 3,400 second feet June 9. Gage height 5.27 feet.

Accuracy—Records considered excellent except those below 300 second feet, which are good. During periods of ice effect and missing gage heights, October 3-9, 27-30, December 6, 12-17, 25, 27-28, 1942, January 1-2, 5-19, 26-27, 31, 1943, February 1-2, March 2-3, 6, 15-21, April 1-3, May 9, 19, 21, 24, June 24-28, September 1-6, 1943 and December 28, January 6-12, 1944, discharges were computed on basis of weather records and comparison with adjacent station records, and are fair.

Diversions for irrigation above station.

YAMPA RIVER NEAR MAYBELL, COLORADO

Location—Water stage recorder in Sec. 2, T. 6 N., R. 95 W., at highway bridge 3 miles east of Maybell.

Drainage Area—3,410 square miles. Zero of gage is 5,900.23 feet above mean sea level, datum of 1929.

Records Available—April, 1904 to October, 1905, June, 1910 to November, 1912, April 24, 1916 to September 30, 1944.

Maximum discharge during period 1904-1905, 1910-1912, 1916-1944; 17,900 second feet May 19, 1917, from rating curve extended above 12,000 second feet. Gage height 10.40 feet, site and datum then in use, from flood marks.

Maximum Discharge—Year 1943; 9,280 second feet June 3. Gage height 7.70 feet.

Maximum Discharge—Year 1944; 9,080 second feet May 25. Gage height 7.52 feet.

Accuracy—Records considered excellent except those for periods of ice effect, December 2, 1942 to March 10, 1943, December 1, 1943 to March 26, 1944, which are fair.

Diversions for irrigation above station.

ELK RIVER AT CLARK, COLORADO

Location—Water stage recorder in Sec. 28, T. 9 N., R. 85 W., at Clark 1 mile upstream from Cottonwood Gulch.

Drainage Area—206 square miles. Zero of gage is 7,267.75 feet above mean sea level (state highway bench mark).

Records Available—May 1, 1910 to September 30, 1922, April 23, 1930 to September 30, 1944.

Maximum discharge during period 1910-1922, 1930-1944; daily discharge 4,470 second feet June 6, 9, 1912.

Maximum Discharge—Year 1943; 3,100 second feet June 1. Gage height 4.92 feet.

Maximum Discharge—Year 1944; 3,760 second feet May 30. Gage height 5.17 feet.

Accuracy—Records considered good except those during periods of missing gage heights and ice effect, October 1-4, November 23, 26, 1942 to March 30, 1943, November 27, 1943 to March 27, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Practically no diversions above station.

ELKHEAD CREEK NEAR CLARK, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ Sec. 17, T. 9 N., R. 87 W., at lower end of reservoir site in California Park, $\frac{1}{4}$ mile downstream from South Fork and 13 miles west of Clark.

Drainage Area—45.4 square miles.

Records Available—July, 1943 to September 30, 1944.

Maximum discharge during period 1943-1944; that of June 15, 1944.

Maximum Discharge—Year 1943; 19 second feet July 3. Gage height 3.74 feet.

Maximum Discharge—Year 1944; 89 second feet June 15. Gage height 4.61 feet.

Accuracy—Records considered good.

No diversions above station.

ELKHED CREEK NEAR HAYDEN, COLORADO

Location—Water stage recorder in SW $\frac{1}{4}$ Sec. 16, T. 8 N., R. 88 W., at Diamond Circle Ranch, $\frac{3}{4}$ mile upstream from Calf Creek and 11 miles north of Hayden.

Drainage Area—97.4 square miles. Zero of gage is 6,592.72 feet above mean sea level, unadjusted.

Records Available—October 1, 1942 to September 30, 1944.

Maximum discharge during period 1942-1944; that of May 22, 1944.

Maximum Discharge—Year 1943; 704 second feet April 23. Gage height 4.81 feet.

Maximum Discharge—Year 1944; 1,420 second feet May 22. Gage height 5.95 feet.

Accuracy—Records considered fair.

Diversions for irrigation above station.

FORTIFICATION CREEK AT CRAIG, COLORADO

Location—Water stage recorder in SE corner of Sec. 31, T. 7 N., R. 90 W., at highway bridge at east edge of Craig, and 1 mile upstream from mouth.

Drainage Area—258 square miles.

Zero of gage is 6,178.24 feet above mean sea level, 1929 adjustment.

Records Available—September 1, 1943 to September 30, 1944.

Maximum Discharge—Year 1944; 744 second feet May 22. Gage height 9.66 feet.

Accuracy—Records considered fair.

Diversions for irrigation above station.

EAST FORK OF WILLIAMS FORK NEAR WILLOW CREEK, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 22, T. 3 N., R. 88 W., 0.6 mile downstream from Goose Creek and 7 miles southeast of Willow Creek store.

Drainage Area—96 square miles.

Records Available—September 1, 1943 to September 30, 1944.

Maximum Discharge—Year 1944; 895 second feet May 23. Gage height 2.82 feet.

Accuracy—Records considered good except for period of ice effect, from November 3-5, 7-17, November 26, 1943 to April 20, 1944, which were computed on basis of 4 discharge measurements and weather records and are fair.

Practically no diversions above station.

LITTLE SNAKE RIVER NEAR SLATER, COLORADO

Location—Water stage recorder in SW $\frac{1}{4}$ Sec. 16, T. 12 N., R. 87 W., at Focus (Temple) Ranch $\frac{1}{2}$ mile downstream from Willow Creek and 11 miles east of Slater.

Drainage Area—285 square miles. Zero of gage is 6,829.57 feet above mean sea level, unadjusted.

Records Available—October 1, 1942 to September 30, 1944.

Maximum discharge during period; that of June 1, 1943.

Maximum Discharge—Year 1943; 3,140 second feet June 1. Gage height 8.22 feet.

Maximum Discharge—Year 1944; 2,070 second feet May 23. Gage height 7.31 feet.

Accuracy—Records considered excellent except for period of ice effect, from November 5, 1942 to March 31, 1943 and November 7-9, November 27 to March 31, 1944, computed on basis of discharge measurements, and weather records, and which are fair.

Diversions for irrigation above station.

LITTLE SNAKE RIVER NEAR DIXON, WYOMING

Location—Water stage recorder in Sec. 6, T. 12 N., R. 90 W., 600 feet upstream from Willow Creek and 1 mile west of Dixon.

Drainage Area—988 square miles. Zero of gage is 6,332.81 feet above mean sea level, unadjusted.

Records Available—May, 1910 to September, 1923, March, 1938 to September 30, 1944.

Maximum discharge during period 1910-1923, 1938-1944; 8,960 second feet May 23, 1920, from rating curve extended above 6,000 second feet. Gage height 8.3 feet, datum then in us.

Maximum Discharge—Year 1943; 6,060 second feet June 2. Gage height 7.26 feet.

Maximum Discharge—Year 1944; 4,960 second feet May 23. Gage height 6.57 feet.

Accuracy—Records considered excellent except those for periods of ice effect, November 27, 1942 to March 5, 1943 and November 8-9, 27-29, December 4 to March 27, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Diversions for irrigation above station.

LITTLE SNAKE RIVER NEAR LILY, COLORADO

Location—Water stage recorder in Sec. 20, T. 7 N., R. 98 W., 6 miles north of Lily at highway bridge and 10 miles upstream from mouth.

Drainage Area—3,730 square miles.

Records Available—June to August, 1904, May 1, 1922 to September 30, 1944.

Maximum discharge during period 1904, 1922-1944; 14,200 second feet May 27, 1926. Gage height 10.50 feet.

Maximum Discharge—Year 1943; 11,010 second feet June 2. from rating curve extended above 4,300 second feet. Gage height 8.27 feet.

Maximum Discharge—Year 1944; 6,200 second feet May 22. Gage height 5.93 feet.

Accuracy—Records considered fair except those during periods of ice effect.

Diversions for irrigation above station.

BATTLE CREEK NEAR SLATER, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 14, T. 12 N., R. 88 W., (Colo.) at Colorado-Wyoming state line, $\frac{1}{4}$ mile upstream from mouth and 7 miles east of Slater.

Drainage Area—85.3 square miles. Zero of gage is 6,697.10 feet above mean sea level, adjustment of 1912.

Records Available—October 1, 1942 to September 30, 1944.

Maximum Discharge—Year 1943; 967 second feet June 1. Gage height 4.64 feet.

Maximum Discharge—Year 1944; 830 second feet May 30. Gage height 3.99 feet.

Accuracy—Records considered fair.

Diversions for irrigation above station.

SLATER FORK NEAR SLATER, COLORADO

Location—Water stage recorder in SW $\frac{1}{4}$ Sec. 21, T. 12 N., R. 89 W., 1 mile upstream from mouth and $1\frac{1}{2}$ miles south of Slater.

Drainage Area—161 square miles.

Records Available—May, 1910 to May, 1912, June, 1931 to September 30, 1944.

Maximum discharge during period 1910-1912, 1931-1944; 1,700 second feet May 19, 1912. (Daily discharge).

Maximum Discharge—Year 1943; 1,360 second feet June 1. Gage height 9.12 feet.

Maximum Discharge—Year 1944; 760 second feet May 24. Gage height 6.82 feet.

Accuracy—Records considered good except those during periods of ice effect, December 24, 1942 to March 6, 1943, December 9, 11-13, December 21, 1943 to January 14, 1944, February 20, March 4, June 29-July 1, July 6-7, 11-13, 15, 18-22, 24, 27-29, 31-August 1, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Diversions for irrigation above station.

SAVERY CREEK NEAR SAVERY, WYOMING

Location—Water stage recorder in SW $\frac{1}{4}$ Sec. 14, T. 13 N., R. 89 W., $1\frac{1}{4}$ miles downstream from Loco Creek and $6\frac{1}{2}$ miles northeast of Savery.

Drainage Area—330 square miles.

Records Available—October, 1941 to September 30, 1944.

Maximum discharge during period 1943-1944; that of May 22, 1944.

Maximum Discharge—Year 1943; 1,280 second feet June 2. Gage height 5.80 feet.

Maximum Discharge—Year 1944; 1,490 second feet May 22. Gage height 6.12 feet.

Accuracy—Records considered excellent except for period of ice effect, November 21-27, December 3, 1942 to March 28, 1943, and December 12, 1943 to April 19, 1944, which were computed on basis of discharge measurements, weather records, and comparison with nearby station records.

Diversions for irrigation above station.

WHITE RIVER NEAR MEEKER, COLORADO

Location—Water stage recorder in Sec. 30, T. 1 N., R. 93 W., 1 mile upstream from Curtis Creek and $3\frac{1}{2}$ miles east of Meeker, at Russell Ranch bridge.

Drainage Area—762 square miles.

Records Available—May, 1901 to October, 1906, May, 1910 to September 30, 1944. Station maintained $2\frac{1}{2}$ miles downstream prior to October, 1913.

Maximum discharge during period 1901-1906, 1910-1944; 6,070 second feet June 16, 1921.

Maximum Discharge—Year 1943; 2,260 second feet June 2. Gage height 3.20 feet.

Maximum Discharge—Year 1944; 2,770 second feet May 24. Gage height 3.51 feet.

Accuracy—Records considered excellent except those during periods of ice effect, January 8 to February 15, 1943, February 17-25, March 2-16, 1943 which were computed on basis of weather records and comparison with record at Glenwood Springs, and are fair.

Diversions for irrigation above station.

WHITE RIVER NEAR WATSON, UTAH

Location—Water stage recorder in Sec. 2, T. 10 S., R. 24 E., Salt Lake Meridian, just downstream from Evacuation Creek, and 7 miles north of Watson.

Drainage Area—4,020 square miles. Zero of gage is 4,949.78 feet above mean sea level, datum of 1929.

Records Available—April 1 to October 31, 1906, April 1, 1923 to September 30, 1944.

Maximum daily discharge during period 1906, 1923-1944; 8,160 second feet July 15, 1929.

Maximum Discharge—Year 1943; 8,010 second feet August 3, from rating curve extended above 4,000 second feet.

Maximum Discharge—Year 1944; 2,880 second feet May 18. Gage height 3.55 feet.

Accuracy—Records considered good except those for periods of ice effect, December 4-9, 1942, January 7 to February 7, March 1-6, 1943, January 8 to March 15, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Diversion for irrigation above station.

SOUTH FORK WHITE RIVER NEAR BUFORD, COLORADO

Location—Water stage recorder in SE¼ Sec. 36, T. 1 S., R. 91 W., 50 feet upstream from Peltier Creek, 100 feet upstream from highway bridge and 6 miles southeast of Buford.

Drainage Area—156 square miles.

Records Available—July, 1903 to October, 1906, June, 1910 to November, 1915, October, 1942 to September 30, 1944. During period July, 1919 to November, 1920, at site 5 miles down stream.

Maximum discharge during period 1903-1906, 1910, 1915, 1942-1944; 3,230 second feet, from rating curve extended above 1,600 second feet, June 17, 1906. Gage height 8.20 feet, site and datum then in use.

Maximum Discharge—Year 1943; 1,260 second feet June 23. Gage height 4.63 feet.

Maximum Discharge—Year 1944; 1,820 second feet June 21. Gage height 5.09 feet.

Accuracy—Records considered good except for periods of ice effect, November 9-15, November 22 to December 6, December 30, 1942 to January 5, 1943, January 19 to February 19, and November 9-12, 27, December 6-13, 19-26, 1943, January 2-31, 1944, February 1, 2, 7-8, March 2-17, which were computed on basis of discharge measurements, weather reports, and comparison with record of White River at Meeker, and are fair.

No diversions above station.

PICEANCE CREEK NEAR RIO BLANCO, COLORADO

Location—Staff gage in N $\frac{1}{2}$ Sec. 18, T. 3 S., R. 95 W., just downstream from Story Gulch, and 9 miles northwest of Rio Blanco.

Drainage Area—153 square miles. Zero of gage is 6,950 feet above mean sea level, by barometer.

Records Available—March 1, 1941 to September 30, 1943 (Discontinued).

Maximum discharge during period 1941-1943; 430 second feet April 13, 1942. Gage height 4.80 feet.

Maximum Discharge—Year 1943; 154 second feet August 19. Gage height 3.30 feet.

Accuracy—Records considered poor.

Diversions for irrigation above station.

Discharge of Green River Near Linwood, Utah, for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	504	504	440	500	420	820	3530	5590	10200	12500	3440	1330
2....	488	504	440	510	450	820	2860	5750	11300	12300	3480	1290
3....	480	488	450	513	450	800	2500	5980	12200	11300	3370	1270
4....	472	520	460	490	440	750	2530	6920	12700	10500	3070	1250
5....	472	538	440	500	430	710	2740	7560	11400	9580	2960	1240
6....	472	556	360	500	420	710	3230	8220	9680	8860	2880	1220
7....	464	520	300	450	400	720	3480	8500	8580	8200	2720	1210
8....	464	529	250	390	400	710	3400	7880	7660	7440	2750	1180
9....	464	547	270	380	410	740	3180	7030	6850	6960	3470	1170
10....	456	512	350	380	420	780	3180	6240	6090	6650	3630	1140
11....	456	565	400	390	380	880	3290	5530	5520	6310	3580	1110
12....	456	583	480	410	430	1320	3320	4940	5390	5970	3210	1090
13....	456	556	540	450	470	1560	3400	4580	5620	5790	2940	1070
14....	448	464	520	470	500	1580	3260	4440	6470	5790	2740	1030
15....	472	405	520	500	520	1500	3280	4220	7320	5770	2580	1000
16....	512	480	500	520	530	1360	3520	4030	7820	5730	2490	960
17....	556	510	490	500	540	1500	3870	3820	7600	5410	2430	920
18....	556	529	480	450	580	1700	4190	3710	7060	5100	2310	900
19....	556	480	470	410	620	1420	4530	3610	6340	4740	2310	860
20....	529	460	480	390	650	1180	4870	3520	6150	4510	2130	830
21....	529	410	500	380	700	980	5070	3310	6870	4360	2060	800
22....	512	340	500	390	750	940	5370	3080	8020	4260	2030	780
23....	504	252	490	430	800	1010	5620	2880	9560	4170	2070	780
24....	504	464	480	470	900	1000	5750	2770	10900	4190	1880	770
25....	504	448	490	500	940	1230	5750	2840	11900	4190	1780	770
26....	504	440	520	540	950	1680	6110	3070	12300	4080	1690	770
27....	512	420	530	590	900	2580	6380	3840	12300	3920	1610	770
28....	512	420	540	520	880	3360	6560	4830	11900	3820	1540	780
29....	512	450	530	470	....	3400	6340	5700	11900	3820	1480	800
30....	504	460	520	450	....	3690	5820	6560	12300	3840	1470	960
31....	504	....	500	430	....	3930	....	8300	....	3610	1390	....
Total	15334	14354	14240	14273	16280	45360	126930	159250	269900	193670	77490	300550
Mean.	495	478	459	460	581	1463	4321	5137	8997	6247	2500	1002
Max.	556	583	540	590	950	3920	6560	8400	12700	12500	3630	1330
Min.	448	252	250	380	380	710	2500	2770	5390	3610	1390	770
Ac.-ft.	30410	28470	28240	28310	32290	89970	251800	315900	535300	384100	153700	59600

Total run-off for period=1,938,000 acre-feet.

Discharge of Green River Near Linwood, Utah, for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	869	995	472	430	460	560	5000	2850	5070	8320	2010	628
2....	852	932	520	430	470	560	9940	2890	6440	7100	1930	606
3....	828	896	544	430	470	560	13400	3220	7650	6340	1800	592
4....	804	852	544	430	460	580	13800	2920	8970	6040	1680	592
5....	780	804	644	430	450	580	13900	2620	9310	6140	1570	592
6....	764	796	610	420	450	580	12400	2350	8240	6380	1490	606
7....	748	844	592	410	460	600	11300	2170	7020	6160	1440	613
8....	732	878	620	400	470	620	10100	2120	6260	5700	1360	606
9....	716	804	560	400	480	640	7870	2260	6000	5200	1310	585
10....	708	700	450	400	500	610	5780	2480	6540	4880	1240	564
11....	732	700	460	400	500	640	5420	2560	6800	4470	1180	550
12....	756	796	490	400	490	630	4580	2580	7080	4070	1120	526
13....	740	852	520	400	480	610	4860	2790	7060	3780	1070	514
14....	724	869	550	400	480	610	5040	2860	6940	3670	1030	496
15....	740	869	540	410	490	610	4600	2960	6720	3350	986	490
16....	732	852	530	415	490	640	3760	3120	6160	3110	977	490
17....	724	836	520	420	480	670	3050	3570	5560	2980	968	496
18....	700	812	520	420	470	700	2680	4340	5270	2890	950	502
19....	780	796	540	410	470	700	2480	4980	5700	2850	923	496
20....	1030	780	570	405	480	700	2360	5360	6080	2880	905	514
21....	1100	804	590	410	490	710	2290	5110	5720	2860	860	550
22....	1110	812	580	420	*489	730	2290	4440	5420	2820	820	564
23....	1140	828	560	420	510	770	2380	3940	5560	2810	796	592
24....	1080	820	530	420	540	800	2470	3720	5880	2810	772	585
25....	1020	828	530	420	560	740	2400	3830	6080	2820	756	544
26....	995	836	550	430	540	730	2340	4000	5840	2770	732	532
27....	968	836	*543	440	530	700	2340	3880	5940	2600	700	508
28....	950	860	510	460	530	660	2440	3570	6840	2470	684	502
29....	986	756	470	460	540	720	2770	3410	8610	2340	660	502
30....	1190	526	410	460	....	800	3020	3480	9190	2200	644	508
31....	1120	....	420	460	....	1900	....	4070	....	2060	628	....
Total	27118	24569	16489	13060	14229	21690	167060	104450	199950	124880	33991	16445
Mean.	875	819	532	421	491	700	5569	3369	6665	4028	1096	548
Max.	1190	995	644	460	560	1900	13900	5360	9310	8330	2010	628
Min.	700	526	410	400	450	560	2290	2120	5070	2060	628	490
Ac.-ft.	53790	48730	32710	25900	28220	43020	331400	207200	396600	247700	67420	32620

Total run-off for period=1,515,000 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Yampa River Near Yampa, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	29	24	22	16	17	20	25	72	118	112	67	36
2....	30	25	22	16	17	20	26	78	144	109	71	34
3....	29	24	22	16	17	20	28	80	126	108	71	34
4....	29	24	22	16	17	20	28	75	118	100	66	33
5....	29	24	*22	16	17	20	28	62	115	97	65	33
6....	29	27	22	16	17	20	28	52	114	92	64	33
7....	29	27	22	16	17	20	28	44	116	90	64	32
8....	29	27	22	16	17	20	27	43	121	88	62	32
9....	29	27	22	16	17	20	25	41	127	85	56	32
10....	28	27	*22	16	17	20	25	43	131	83	55	32
11....	29	27	22	16	17	20	25	44	129	81	56	32
12....	28	27	22	16	17	20	25	44	123	80	53	32
13....	30	27	22	16	17	20	26	46	116	80	50	32
14....	30	27	22	16	17	20	28	45	115	84	47	32
15....	30	27	22	16	17	20	30	45	114	83	45	32
16....	29	27	22	*16	17	20	31	42	112	80	44	32
17....	28	27	22	16	17	20	30	40	114	77	44	33
18....	28	27	22	16	17	20	30	39	118	80	46	33
19....	28	27	22	16	17	20	34	39	120	83	47	34
20....	28	27	22	16	17	20	39	39	122	87	43	32
21....	28	27	22	16	17	20	40	40	124	84	43	32
22....	27	27	22	16	17	20	44	39	124	83	41	32
23....	28	27	22	16	17	23	48	44	124	78	39	32
24....	29	27	22	16	17	24	49	53	126	70	39	32
25....	29	27	22	16	17	24	50	62	131	66	39	32
26....	28	27	22	16	17	23	50	70	124	65	37	32
27....	28	27	22	16	17	23	46	78	120	64	36	34
28....	27	27	22	16	*17	24	51	88	116	65	35	32
29....	27	27	22	16	....	25	62	94	113	65	36	33
30....	27	27	22	16	....	26	67	109	121	65	37	32
31....	23	....	22	16	....	25	....	112	....	67	37	....
Total	879	796	682	496	476	657	1073	1802	3642	2551	1535	978
Mean.	28.4	26.5	22.0	16.0	17.0	21.2	35.8	58.1	121	82.3	49.5	32.6
Max..	30	....	....	....	....	....	67	112	144	112	71	36
Min..	23	....	....	....	....	....	25	39	112	64	35	32
Acre-ft.	1740	1580	1350	984	944	1300	2130	3570	7220	5060	3040	1940

Total run-off for period=30,860 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Yampa River Near Yampa, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	32	28	18	23	18	18	17	18	119	114	77	29
2....	32	27	20	22	18	17	17	18	114	112	77	28
3....	32	26	21	20	18	18	18	18	98	110	68	26
4....	32	29	21	21	18	18	19	19	82	110	58	26
5....	32	28	22	22	18	18	19	20	72	109	53	28
6....	33	28	24	23	18	18	20	26	75	105	54	26
7....	32	26	26	22	19	18	20	29	90	102	57	25
8....	32	24	25	21	*18	18	20	30	90	98	52	26
9....	30	26	24	22	18	18	21	40	107	96	44	26
10....	30	28	23	21	18	18	21	44	148	98	43	29
11....	34	29	25	22	18	18	21	43	152	96	42	32
12....	37	29	25	22	18	18	22	54	144	93	40	32
13....	39	*29	25	*22	17	18	22	77	136	88	39	36
14....	38	28	23	22	18	*18	21	86	138	85	36	37
15....	37	27	25	22	18	18	20	102	140	85	35	37
16....	36	25	24	22	20	18	18	107	134	83	34	36
17....	36	26	23	22	18	18	17	85	123	80	33	36
18....	34	27	23	22	18	18	17	57	121	82	33	35
19....	35	26	24	21	18	18	16	53	125	96	33	30
20....	37	26	25	20	19	18	16	56	131	98	33	31
21....	37	27	24	20	18	18	16	68	129	96	33	28
22....	35	28	24	20	18	18	16	82	123	98	32	27
23....	34	28	24	20	18	18	18	100	118	93	32	28
24....	35	30	24	19	18	18	17	107	121	96	33	28
25....	33	28	24	19	18	18	17	100	127	78	31	28
26....	32	21	24	19	18	17	17	90	131	75	29	29
27....	26	24	23	19	18	17	18	83	118	83	29	28
28....	26	22	22	18	18	17	19	90	112	80	28	28
29....	26	23	22	18	18	17	18	102	112	78	28	28
30....	26	20	21	18	....	17	18	112	112	80	29	29
31....	26	....	20	18	....	17	....	116	....	78	30	....
Total	1016	793	718	642	525	551	556	2032	3542	2875	1275	892
Mean.	32.8	26.4	23.2	20.7	18.1	17.8	18.5	65.5	118	92.7	41.1	29.7
Max..	39	30	26	23	20	18	22	116	152	114	77	37
Min..	26	20	18	18	17	17	16	18	72	75	28	25
Acre-ft.	2020	1570	1420	1270	1040	1090	1100	4030	7030	5700	2530	1770

Total run-off for period=30,570 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Yampa River Near Oak Creek, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	33	43	29	29	35	37	170	117	102	105	63	63
2....	35	45	29	29	35	37	160	109	202	89	85	58
3....	34	47	29	29	35	37	198	100	188	87	76	54
4....	35	50	29	29	35	37	204	83	132	76	74	51
5....	37	47	29	29	35	37	188	94	121	70	74	50
6....	38	37	*29	29	35	37	178	90	105	66	85	46
7....	39	37	29	29	35	37	176	81	92	65	92	46
8....	41	37	29	29	35	37	180	85	85	65	107	39
9....	41	37	29	29	35	37	138	105	87	60	98	31
10....	40	37	29	29	35	37	130	122	81	51	78	31
11....	41	37	29	29	35	37	115	90	87	43	85	33
12....	43	37	29	29	35	37	107	74	94	37	85	35
13....	43	37	29	29	35	37	111	71	100	33	87	37
14....	48	37	29	29	*35	37	121	68	98	31	78	35
15....	48	37	29	29	35	37	130	76	107	34	70	34
16....	48	37	29	*29	35	37	132	85	105	54	71	34
17....	45	37	29	29	35	37	134	85	96	52	83	32
18....	41	37	29	29	35	37	130	80	89	50	76	29
19....	43	37	29	29	35	37	134	87	89	50	89	28
20....	46	37	29	29	35	37	140	70	78	56	80	27
21....	46	37	29	29	35	37	144	63	73	57	71	26
22....	46	37	29	29	35	37	140	60	62	71	76	26
23....	45	37	29	29	35	*37	146	58	52	76	68	30
24....	46	37	29	29	35	37	146	60	54	63	68	29
25....	48	37	29	29	35	37	148	56	68	57	85	29
26....	45	37	29	29	35	90	144	54	71	54	68	29
27....	46	37	29	29	35	90	126	56	76	51	70	32
28....	46	37	29	29	35	90	113	58	68	50	63	31
29....	44	37	29	29	....	90	113	68	65	54	60	35
30....	45	37	29	29	....	90	111	104	150	52	70	34
31....	40	....	29	29	....	90	....	105	....	56	71	....
Total	1316	1157	899	899	980	1465	4307	2514	2877	1815	2406	1094
Mean.	42.4	38.6	29	29	35	47.3	144	81.1	95.9	58.5	77.6	36.5
Max..	48	....	....	....	....	....	204	122	202	105	107	63
Min..	33	....	....	....	....	....	107	54	52	31	60	26
Acre-ft.	2610	2290	1780	1780	1940	2910	8540	4990	5710	3600	4770	2170

Total run-off for period=43,090 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Yampa River Near Oak Creek, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	33	54	31	25	25	45	74	88	77	56	44	28
2....	33	54	33	24	26	47	80	92	77	68	44	28
3....	32	52	35	22	26	50	86	77	74	64	35	25
4....	31	58	34	22	25	56	94	75	84	72	31	22
5....	32	56	35	23	27	60	110	93	81	65	33	22
6....	31	54	36	22	29	60	102	99	65	60	35	22
7....	30	47	35	21	29	56	101	116	75	50	46	20
8....	30	47	34	20	31	64	106	114	106	42	42	19
9....	29	48	33	21	33	62	119	114	75	41	44	19
10....	29	54	32	21	34	60	79	137	68	57	42	18
11....	29	55	30	20	35	62	88	123	68	104	40	18
12....	32	55	28	20	32	64	104	121	70	62	39	19
13....	32	54	28	*20	*35	66	121	135	68	50	38	20
14....	31	53	30	20	36	*72	79	147	59	48	36	20
15....	32	51	31	21	36	68	72	167	54	48	35	20
16....	32	51	29	21	39	58	68	159	53	48	35	20
17....	31	51	28	21	37	58	68	165	50	45	34	21
18....	31	51	28	22	35	58	62	149	44	44	36	21
19....	33	50	29	22	36	58	67	129	42	48	74	27
20....	35	50	29	22	38	56	65	110	41	53	50	28
21....	34	48	28	22	37	54	62	108	39	65	46	27
22....	36	50	28	22	37	54	62	110	36	65	45	24
23....	36	50	28	23	38	56	54	114	32	64	44	23
24....	37	46	28	25	41	58	59	135	30	67	40	24
25....	40	50	27	25	42	58	59	129	36	81	46	24
26....	40	45	27	24	45	52	60	110	57	60	44	24
27....	41	47	26	23	45	58	62	93	59	51	40	25
28....	39	41	25	24	43	58	88	92	56	49	37	25
29....	45	38	24	24	42	58	86	102	48	49	34	25
30....	53	35	23	24	....	64	83	88	51	48	34	25
31....	56	....	23	23	....	72	....	83	....	42	32	....
Total	1085	1495	915	689	1014	1822	2420	3574	1775	1766	1255	683
Mean.	35.0	49.8	29.5	22.2	35.0	58.8	80.7	115	59.2	57.0	40.5	22.8
Max..	56	58	36	25	45	72	121	167	106	104	74	28
Min..	29	35	23	20	25	45	54	75	30	41	31	18
Acre-ft.	2150	2970	1810	1370	2010	3610	4800	7090	3520	3500	2490	1350

Total run-off for period=36,670 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Yampa River at Steamboat Springs, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	64	116	111	70	84	111	600	1770	2620	764	101	143
2....	64	141	96	70	84	107	620	1840	2680	582	128	120
3....	66	136	101	76	94	103	680	2040	2000	565	167	110
4....	68	126	104	70	96	99	776	2010	1560	465	149	100
5....	70	101	126	66	92	96	812	1900	1560	401	136	94
6....	71	90	100	70	104	98	812	1530	1550	345	160	86
7....	72	128	81	68	121	99	1040	1270	1750	300	165	79
8....	74	118	68	64	92	99	1140	1090	1920	274	195	66
9....	74	126	83	66	94	101	914	1000	1890	258	204	62
10....	70	90	79	66	96	121	836	956	1830	231	165	54
11....	72	76	94	64	94	123	576	962	1860	201	149	54
12....	70	90	92	60	90	118	548	1000	1750	181	149	50
13....	76	99	86	62	92	128	668	1020	1620	154	147	50
14....	94	94	87	70	104	131	740	1030	1540	141	134	52
15....	96	121	93	80	108	139	788	1080	1390	134	121	48
16....	96	121	89	82	111	133	812	987	1320	141	113	45
17....	87	111	89	78	108	135	860	926	1340	162	118	48
18....	83	118	96	74	111	134	866	974	1380	147	126	47
19....	81	123	101	66	106	121	932	1010	1350	128	136	41
20....	81	121	101	79	104	123	1010	944	1350	131	141	45
21....	87	99	94	70	111	110	1040	940	1300	139	118	45
22....	90	72	93	81	118	116	1020	1040	1220	190	121	43
23....	96	90	92	99	126	113	1110	1130	1110	187	111	48
24....	96	101	85	104	123	134	1220	1110	1080	154	106	52
25....	94	99	80	108	121	149	1320	1100	1050	136	128	48
26....	94	76	76	93	126	157	1300	1150	1070	128	118	52
27....	93	81	76	88	134	173	1160	1710	1110	118	121	58
28....	88	92	78	90	113	204	1140	2020	1000	101	99	62
29....	88	104	79	94	....	271	1330	2160	800	111	92	68
30....	84	108	72	94	....	410	1640	2760	1140	104	108	70
31....	81	....	72	87	....	554	....	2710	....	96	141	....
Total	2519	3168	2774	2409	2957	4710	28310	43169	45140	7169	4167	1940
Mean.	81.3	106	89.5	77.7	106	152	944	1393	1505	231	134	64.7
Max..	96	141	126	108	134	554	1640	2760	2680	764	204	143
Min..	64	72	68	60	84	96	548	926	800	96	92	41
Acre-ft.	5000	6280	5500	4780	5870	9340	56150	85620	89530	14220	8270	3850

Total run-off for period=294,400 acre-feet.

Discharge of Yampa River at Steamboat Springs, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	68	134	62	90	58	83	136	343	2430	592	104	33
2....	68	113	79	87	60	87	136	361	2130	548	101	28
3....	66	111	81	76	74	92	154	321	1830	495	90	28
4....	64	131	79	87	74	96	216	278	1600	445	68	23
5....	60	128	79	87	68	106	289	317	1550	425	68	20
6....	60	123	94	94	66	106	334	402	1580	361	68	15
7....	60	101	104	86	74	90	289	564	1920	297	83	15
8....	56	90	99	76	76	111	325	598	2180	252	87	9.2
9....	48	99	96	84	79	79	379	673	2530	228	85	6.4
10....	47	111	94	80	81	76	338	862	2790	243	85	4.0
11....	50	118	101	87	87	90	392	989	2740	329	79	4.0
12....	64	118	96	89	85	106	442	1070	2430	249	74	4.0
13....	68	113	92	85	64	111	460	1260	2170	207	68	4.0
14....	68	113	83	85	76	160	334	1460	1940	181	66	4.8
15....	70	111	94	83	79	154	285	1630	1860	170	62	7.2
16....	76	101	87	85	144	141	260	1820	1760	162	64	8.0
17....	72	106	81	90	99	123	253	1960	1550	149	62	7.2
18....	76	113	85	90	72	126	221	1540	1430	128	60	12
19....	81	108	85	83	81	128	232	1460	1480	123	99	14
20....	83	108	99	83	87	121	214	1300	1470	144	106	20
21....	79	106	104	87	76	123	208	1270	1410	165	90	26
22....	79	111	104	79	74	116	201	1300	1240	160	83	27
23....	81	113	101	76	79	113	179	1580	1080	152	74	27
24....	76	106	96	79	81	126	179	1990	1050	181	68	26
25....	79	111	96	79	83	123	188	2030	980	204	70	28
26....	83	70	79	76	85	99	204	1870	987	181	74	30
27....	87	85	113	76	90	113	281	1940	812	144	68	31
28....	94	76	100	68	85	106	297	2180	746	128	52	33
29....	104	81	72	72	79	104	338	2380	704	121	30	39
30....	128	72	64	72	....	113	338	2570	650	118	36	52
31....	134	....	76	76	....	131	....	2700	....	108	34	....
Total	2329	3181	2775	2547	2316	3453	8102	41018	49025	7390	2258	585.8
Mean.	75.1	106	89.5	82.2	79.9	111	270	1323	1634	238	72.8	19.5
Max..	134	134	113	94	144	160	460	2700	2790	532	106	52
Min..	47	70	62	68	58	76	136	278	650	108	30	4.0
Acre-ft.	4620	6310	5500	5050	4590	6850	16070	81360	97250	14660	4480	1160

Total run-off for period=247,900 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Yampa River Near Maybell, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	108	218	207	183	210	280	1440	5380	6420	3970	382	200
2....	111	218	230	179	205	276	1400	6230	6990	3140	346	235
3....	113	224	205	175	195	272	1460	6120	8800	2580	340	250
4....	111	275	180	175	200	269	1610	6230	7250	2370	376	218
5....	113	318	150	172	210	252	1830	6510	4810	2130	568	192
6....	113	312	120	160	216	247	2130	6900	4250	1870	532	180
7....	113	275	110	158	220	239	2400	5420	3910	1660	442	170
8....	116	245	105	156	225	238	2730	5060	4090	1490	484	161
9....	118	250	150	157	227	242	3180	3890	4510	1370	448	154
10....	123	265	240	160	228	350	2790	3400	4810	1250	424	150
11....	128	270	280	158	236	1430	2660	3100	4980	1130	424	146
12....	130	245	265	150	230	1300	2040	2970	4840	1040	376	143
13....	141	194	250	144	225	1390	1720	3000	4730	940	340	135
14....	255	189	220	140	240	1220	1790	2940	4310	840	324	128
15....	352	204	230	156	260	1210	2370	2960	4020	768	307	123
16....	228	250	*226	190	260	1110	3400	2940	3770	706	285	121
17....	207	270	225	198	260	713	3130	2780	3470	657	260	118
18....	204	296	215	199	260	544	3440	2550	3140	643	245	111
19....	192	275	230	200	*263	466	3400	2370	3590	615	245	111
20....	189	275	230	*204	262	436	3710	2200	3750	568	250	113
21....	183	296	220	198	258	454	4250	2050	4110	532	275	118
22....	178	270	220	190	254	454	4560	2080	4290	550	265	120
23....	180	265	230	200	262	580	4560	2020	4200	601	232	116
24....	183	207	245	220	279	872	4400	2280	4180	713	235	114
25....	186	228	260	240	288	1150	5080	2680	4110	615	250	111
26....	197	194	230	250	280	1030	5700	3030	4250	532	240	113
27....	194	232	200	240	282	1100	5420	3260	4250	484	260	114
28....	192	218	170	220	289	1230	4420	3590	3790	448	255	118
29....	200	200	190	218	....	1220	4000	4470	3440	412	214	118
30....	214	245	220	220	....	1340	4690	5040	3110	394	207	125
31....	224	....	200	215	....	1430	....	5900	....	406	197	....
Total	5296	7423	6453	5825	6824	23344	95710	119350	136170	35424	10028	4326
Mean.	171	247	208	188	244	753	3190	3850	4539	1143	323	144
Max.	352	318	280	250	289	1430	5700	6900	8800	3970	568	250
Min.	108	189	105	140	195	238	1400	2020	3110	394	197	111
Ac.-ft.	10500	14720	12800	11550	13540	46300	189800	236700	270100	70260	19890	8580

Total run-off for period=904,700 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Yampa River at Highway Bridge Near Maybell, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	128	318	161	155	160	240	382	1080	8400	2760	242	68
2....	128	318	200	165	148	225	400	1240	8200	2690	218	57
3....	132	290	178	170	138	215	400	1340	7730	2540	198	53
4....	132	255	163	160	149	220	376	1340	7490	2310	183	53
5....	130	228	168	160	160	230	460	1090	6750	2120	180	50
6....	130	250	214	165	160	245	629	1020	6600	1960	172	48
7....	128	275	194	175	155	255	897	1280	6770	1900	166	48
8....	128	245	207	170	160	260	832	2130	6200	1600	130	48
9....	128	207	207	165	160	255	800	2410	6820	1360	127	48
10....	128	214	232	170	170	248	897	2820	7120	1170	134	46
11....	135	228	194	*179	180	225	880	3730	7590	1080	138	45
12....	148	265	178	184	160	220	872	4040	7800	1030	144	40
13....	148	270	210	190	150	270	1050	4380	7640	972	141	39
14....	157	270	*221	180	160	310	1310	5320	6950	853	134	35
15....	163	255	228	175	170	340	1190	6450	6420	741	118	31
16....	170	255	210	170	180	360	940	7160	6010	650	115	27
17....	170	245	202	175	*198	350	800	7610	5960	596	110	22
18....	165	228	205	175	190	335	720	7960	5350	548	110	21
19....	170	221	205	170	185	325	699	6380	4780	518	100	21
20....	178	232	210	170	185	310	636	6480	4570	494	91	21
21....	180	245	220	170	188	312	671	6320	4800	470	100	20
22....	192	245	220	172	190	310	629	6850	4890	488	112	17
23....	207	240	220	168	195	310	615	7590	4750	482	138	16
24....	200	240	210	165	199	320	587	8330	4250	455	144	15
25....	204	250	200	162	205	335	538	8780	3980	435	110	15
26....	197	232	200	160	218	340	556	8080	4160	385	87	15
27....	194	200	210	160	225	318	622	7000	4130	375	81	15
28....	192	168	200	155	232	358	713	6580	3850	370	83	16
29....	204	143	190	150	235	340	872	6880	3020	315	83	16
30....	221	130	170	155	....	352	1080	7440	2820	285	81	17
31....	260	....	150	165	....	318	....	7880	....	258	79	....
Total	5147	7162	6172	5205	5205	9051	22053	156990	174800	32210	4049	983
Mean.	166	239	199	168	179	292	735	5064	5827	1039	131	32.8
Max.	260	318	232	190	235	360	1310	8780	8400	2760	242	68
Min.	128	130	150	150	138	215	376	1020	2820	258	79	15
Ac.-ft.	10210	14210	12240	10320	10320	17950	43740	311400	346700	63890	8030	1950

Total run-off for period=851,000 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Elk River at Clark, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	48	56	66	42	42	68	90	1390	2660	1130	192	98
2....	50	64	60	44	44	64	77	1380	2280	980	240	83
3....	50	66	64	42	46	62	96	1400	1320	940	288	78
4....	51	68	66	40	44	62	159	1860	1050	835	208	75
5....	52	51	68	38	46	60	190	1300	964	768	203	72
6....	51	58	60	38	52	62	223	1080	956	722	236	69
7....	48	59	50	38	56	64	254	842	1106	659	195	68
8....	47	56	44	38	46	68	216	687	1280	626	180	63
9....	47	57	46	38	46	72	210	593	1430	580	173	61
10....	47	43	44	36	46	76	161	574	1540	552	157	59
11....	47	53	48	36	46	74	195	612	1450	510	152	57
12....	48	61	50	34	46	76	170	593	1390	490	154	55
13....	58	61	48	34	46	80	188	580	1210	455	148	54
14....	85	65	50	36	48	82	223	626	1130	407	134	54
15....	75	59	52	36	48	86	320	606	1070	384	123	55
16....	65	57	52	38	52	90	425	547	956	380	121	58
17....	62	62	50	36	52	90	500	515	918	348	117	62
18....	59	62	52	30	54	88	542	485	1110	324	110	63
19....	59	58	54	26	54	84	694	445	1280	300	119	62
20....	58	54	56	28	54	78	850	440	1570	300	117	59
21....	54	45	56	32	58	78	948	470	1550	320	111	57
22....	53	53	54	38	62	78	888	500	1580	320	115	54
23....	61	58	52	46	66	80	888	612	1690	350	104	54
24....	59	61	48	46	66	82	1050	745	1760	330	103	53
25....	51	54	46	44	68	88	1330	782	1840	305	109	50
26....	54	48	44	44	70	94	1010	805	1790	280	105	46
27....	59	52	44	42	72	105	775	980	1610	260	94	57
28....	62	56	44	44	70	125	752	1230	1400	240	89	54
29....	62	60	44	44	....	145	980	1350	1210	210	86	54
30....	56	62	42	46	....	140	1180	1700	1360	200	100	56
31....	53	....	42	46	....	130	....	1690	....	188	119	....
Total	1731	1719	1596	1200	1500	2631	15587	27419	42454	14693	4502	1840
Mean.	55.8	57.3	51.5	38.7	53.6	84.9	520	884	1415	474	145	61.3
Max..	85	68	68	46	72	145	1330	1860	2660	1130	288	98
Min..	47	43	42	26	42	60	77	440	918	188	86	46
Acre-ft.	3430	3410	3170	2380	2980	5220	30920	54380	84210	29140	8930	3650

Total run-off for period=231,800 acre-feet.

Discharge of Elk River at Clark, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	54	74	42	54	48	56	66	181	1880	1060	157	54
2....	52	66	53	54	50	58	70	212	1890	980	150	53
3....	52	68	54	58	54	58	82	177	1680	918	150	53
4....	52	69	54	56	54	60	90	157	1350	872	139	51
5....	48	68	56	55	52	58	95	187	1280	858	132	50
6....	47	66	60	62	50	56	99	326	1160	775	123	51
7....	46	65	62	59	50	52	95	490	1430	666	121	50
8....	46	61	60	56	52	54	101	510	1590	593	115	46
9....	47	58	58	54	54	54	107	684	1730	574	115	44
10....	46	61	58	53	56	48	121	849	1900	542	112	43
11....	46	61	55	54	56	50	151	801	1870	500	102	43
12....	46	56	54	*56	52	54	174	933	1740	440	98	43
13....	46	54	55	56	51	54	215	1300	1470	402	94	43
14....	46	58	56	56	52	55	192	1440	1510	372	90	43
15....	45	61	*54	55	*53	54	163	1470	1530	352	90	44
16....	45	58	52	56	51	55	134	1600	1560	324	88	44
17....	46	60	52	58	50	55	134	1500	1330	308	82	45
18....	47	65	54	58	50	56	117	882	1160	288	82	42
19....	50	68	56	56	52	57	125	916	1320	304	92	42
20....	56	64	58	54	54	57	113	995	1490	364	83	47
21....	61	62	60	54	52	56	113	1260	1530	304	77	51
22....	59	61	59	54	50	57	111	1510	1470	276	71	47
23....	58	59	57	52	50	60	105	1660	1330	272	69	44
24....	57	64	56	50	52	56	109	1720	1410	250	69	43
25....	58	62	56	52	54	63	128	1540	1520	250	75	42
26....	61	37	55	50	56	58	126	1380	1450	221	71	42
27....	65	45	53	48	56	64	163	1390	1240	200	66	38
28....	68	50	53	48	54	60	187	1520	1050	188	65	38
29....	74	48	54	50	54	62	159	1760	1100	180	62	38
30....	90	52	55	52	....	64	161	1920	1120	175	62	40
31....	83	....	54	52	....	68	....	2000	....	168	58	....
Total	1697	1801	1715	1682	1519	1769	3816	33270	44090	13976	2960	1354
Mean.	54.7	60.0	55.3	54.3	52.4	57.1	127	1073	1470	451	95.5	45.1
Max..	90	74	62	62	56	68	215	2000	1900	1060	157	54
Min..	45	37	42	48	48	48	66	157	1050	168	58	38
Acre-ft.	3370	3570	3400	3340	3010	3510	7570	65990	87450	27720	5870	2690

Total run-off for period=217,500 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Elkhead Creek Near Clark, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	....	4.2	4.3	3.2	3.3	....	....	....	....	19	2.2	3.2
2....	....	5.6	4.3	3.2	3.3	....	....	....	....	16	2.8	3.0
3....	....	5.6	4.3	3.2	3.3	....	....	....	....	18	5.0	2.2
4....	....	5.3	4.3	3.2	3.3	....	....	....	....	14	4.2	1.9
5....	....	3.8	4.3	3.2	3.3	....	....	....	....	14	4.0	1.9
6....	....	3.0	4.3	3.2	3.3	....	....	....	....	12	8.0	1.3
7....	....	3.8	4.3	3.2	3.3	....	....	....	....	11	3.5	1.4
8....	....	3.5	*4.3	3.2	3.3	....	....	....	....	11	3.0	1.4
9....	....	4.0	4.3	3.2	3.3	....	....	....	....	11	3.0	1.2
10....	....	3.2	4.3	3.2	3.3	....	....	....	....	8.8	2.8	2.2
11....	....	3.0	4.3	3.2	3.3	....	....	....	....	7.7	3.0	1.9
12....	....	2.8	4.3	3.2	3.3	....	....	....	....	6.5	2.8	1.2
13....	....	2.8	4.3	3.2	3.3	....	....	....	....	5.6	3.2	1.0
14....	Oct. 16	2.5	4.3	3.2	3.3	....	....	....	....	5.9	3.2	1.0
15....	to 31	3.0	4.3	3.2	*3.3	....	....	....	....	6.2	3.5	0.7
16....	3.2	3.8	4.3	3.2	3.3	....	....	....	....	7.1	3.8	0.7
17....	2.8	3.5	4.3	3.2	3.3	....	....	....	....	5.6	3.8	0.7
18....	2.0	4.0	4.3	*3.2	3.3	....	....	....	....	4.8	3.8	0.7
19....	2.0	4.4	4.3	3.2	3.3	....	....	....	....	5.3	3.8	0.8
20....	2.2	3.8	4.3	3.2	3.3	....	....	....	....	5.3	3.5	0.8
21....	1.9	4.0	4.3	3.2	3.3	....	....	....	....	3.8	3.2	0.8
22....	2.2	2.6	4.3	3.2	3.3	....	....	....	....	4.2	4.0	0.8
23....	3.5	2.8	4.3	3.2	3.3	....	....	....	....	4.0	3.5	0.9
24....	3.8	3.0	4.3	3.2	3.3	....	....	....	....	4.0	4.5	0.8
25....	3.2	2.8	4.3	3.2	3.3	....	....	....	....	3.2	4.8	1.0
26....	2.8	2.6	4.3	3.2	3.3	....	....	....	....	3.0	3.5	1.4
27....	3.0	3.0	4.3	3.2	3.3	....	....	....	....	3.0	3.2	2.4
28....	3.8	3.8	4.3	3.2	3.3	....	....	....	....	3.2	2.8	2.5
29....	4.5	3.6	4.3	3.2	....	....	....	....	....	3.0	2.0	2.8
30....	4.2	3.8	4.3	3.2	....	....	....	....	....	2.8	3.0	3.2
31....	4.2	....	4.3	3.2	....	....	....	....	....	2.4	4.0	....
Total	49.3	107.6	133.3	99.2	92.4	....	....	....	....	231.4	111.4	45.8
Mean	3.08	3.59	4.3	3.2	3.3	....	....	....	....	7.46	3.59	1.53
Max.	4.5	5.6	....	....	....	....	....	....	....	1.9	8.0	3.2
Min.	1.9	2.5	....	....	....	....	....	....	....	2.4	2.0	0.7
Acre-ft.	98	213	264	197	183	....	....	....	....	459	221	91

Total run-off for period=1.726 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Elkhead Creek Near Clark, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.4	6.7	3.9	3.0	3.7	4.3	9.4	64	280	28	4.5	0.9
2....	1.7	5.4	3.9	3.1	3.8	4.4	14	74	270	25	4.5	0.8
3....	1.9	6.0	3.8	3.2	3.9	4.5	18	75	290	25	4.2	1.2
4....	1.7	6.7	3.7	3.2	3.9	4.5	23	66	300	22	3.9	1.0
5....	1.9	7.4	3.6	3.0	4.0	4.5	30	78	260	22	3.6	0.9
6....	1.9	7.0	3.5	3.2	3.9	4.6	35	100	240	19	3.6	0.9
7....	2.1	6.3	3.4	3.1	3.9	4.6	30	130	240	18	3.9	0.9
8....	1.9	5.6	3.5	3.2	3.9	4.6	30	170	220	16	3.3	0.8
9....	1.9	5.2	3.5	3.1	4.0	4.7	32	210	190	16	3.0	0.8
10....	2.1	5.6	3.5	3.2	3.9	4.8	29	260	180	14	3.3	0.8
11....	2.3	6.4	3.4	3.3	3.8	4.9	27	280	160	14	2.5	0.8
12....	2.6	4.8	3.3	3.3	3.6	5.0	30	310	140	12	2.3	0.3
13....	2.5	4.0	3.3	3.5	3.6	5.0	27	350	120	11	1.9	0.9
14....	2.5	3.4	3.4	3.6	3.7	4.9	22	400	100	10	1.9	0.8
15....	2.3	3.1	3.5	3.8	3.9	4.9	18	400	88	10	1.9	0.9
16....	2.3	3.1	3.4	3.8	4.0	5.0	15	400	84	9.5	2.1	0.9
17....	2.1	2.3	3.4	3.8	4.0	5.2	13	340	76	9.2	1.9	0.8
18....	2.1	3.5	3.5	3.7	4.0	5.4	11	350	68	8.8	2.1	0.9
19....	2.8	3.7	3.6	3.7	4.0	5.2	12	400	64	8.4	2.5	1.2
20....	5.1	3.5	3.6	3.7	4.0	5.4	11	450	58	9.5	1.9	1.4
21....	4.2	3.3	3.6	3.7	4.0	5.5	13	500	55	9.2	1.7	1.0
22....	3.9	3.6	3.5	3.8	4.0	5.8	16	520	50	8.8	1.6	1.0
23....	3.9	3.9	3.4	3.8	4.0	6.1	20	450	46	8.1	1.4	0.9
24....	3.2	4.0	3.3	3.8	4.0	6.2	25	400	43	8.1	1.7	1.0
25....	4.2	4.0	3.3	3.8	4.1	6.3	32	360	46	8.8	2.6	1.1
26....	4.2	3.5	3.4	3.7	4.1	6.4	42	340	40	7.4	1.7	1.1
27....	4.2	3.2	3.0	3.7	4.2	6.4	45	360	38	6.0	1.6	1.1
28....	4.8	3.6	2.7	3.6	4.2	6.6	52	360	34	5.4	1.2	1.1
29....	8.4	3.6	2.8	3.5	4.2	6.7	53	360	31	5.4	1.1	1.4
30....	7.8	3.8	3.2	3.5	....	7.6	54	350	28	7.4	1.0	3.9
31....	7.8	....	3.0	3.5	....	9.4	....	320	....	5.4	1.0	....
Total	101.8	137.0	105.9	107.9	114.3	169.4	788.4	9227	3839	387.4	75.4	32.0
Mean	3.28	4.57	3.42	3.48	3.94	5.46	26.3	298	128	12.5	2.43	1.07
Max.	8.4	7.4	3.9	3.8	4.2	9.4	54	520	300	28	4.5	3.9
Min.	1.4	3.1	2.7	3.0	3.6	4.3	9.4	64	28	5.4	1.0	0.8
Acre-ft.	202	272	210	214	277	336	1560	18300	7610	768	150	63

Total run-off for period=29,910 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Elkhead Creek Near Hayden, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	2.8	7.6	5.8	5.5	6.8	12	68	434	300	2.8	0.2	0.3
2....	2.3	8.1	5.8	5.5	6.8	12	52	448	543	1.6	0.3	0.2
3....	2.6	9.4	5.8	5.5	6.8	12	54	420	403	1.1	0.5	0.1
4....	2.6	10	5.8	5.5	6.8	12	69	501	277	1.0	0.5	0.1
5....	2.3	8.1	5.8	5.5	6.8	12	77	442	247	1.1	0.4	0
6....	2.8	11	5.8	5.5	6.8	12	87	386	176	1.7	0.5	0
7....	3.1	9.4	5.8	5.5	6.8	12	134	326	162	1.7	0.6	0
8....	3.1	7.2	*5.8	5.5	6.8	12	111	253	138	1.6	0.5	0
9....	3.4	7.6	5.8	5.5	6.8	12	111	213	124	1.7	0.2	0
10....	3.6	5.4	5.8	5.5	6.8	12	77	200	110	1.7	0.2	0
11....	4.2	5.9	5.8	5.5	6.8	12	62	195	104	1.2	0.2	0
12....	4.2	8.1	5.8	5.5	6.8	12	66	183	90	1.1	0.2	0.1
13....	5.4	9.0	5.8	5.5	6.8	12	80	176	90	1.0	0.2	0.2
14....	9.4	9.0	5.8	5.5	6.8	12	128	176	86	1.1	0.1	0.2
15....	9.0	11	5.8	5.5	*6.8	12	203	168	87	1.2	0.1	0.2
16....	6.8	8.5	5.8	5.5	6.8	12	280	159	79	1.2	0	0.1
17....	5.9	13	5.8	5.5	6.8	12	330	151	70	1.1	0	0.2
18....	5.4	10	5.8	*5.5	6.8	12	326	136	60	0.9	0	0.1
19....	4.7	6.8	5.8	5.5	6.8	12	392	128	57	0.9	0	0.2
20....	4.5	6.3	5.8	5.5	6.8	12	456	119	57	0.8	0	0.3
21....	4.5	5.1	5.8	5.5	6.8	12	484	113	52	0.7	0	0.2
22....	4.5	5.1	5.8	5.5	6.8	12	448	108	42	0.7	0.1	0.2
23....	5.0	5.1	5.8	5.5	6.8	12	484	119	21	0.6	0.2	0.2
24....	6.3	5.1	5.8	5.5	6.8	*12	512	120	11	0.5	0.6	0.5
25....	5.0	5.1	5.8	5.5	6.8	12	508	117	12	0.4	1.0	0.8
26....	4.5	5.1	5.8	5.5	6.8	12	424	113	11	0.4	0	1.1
27....	4.7	5.1	5.8	5.5	6.8	12	372	110	9.4	0.4	0	1.4
28....	5.0	5.1	5.8	5.5	6.8	12	403	111	4.2	0.3	0	2.0
29....	6.3	5.1	5.8	5.5	....	12	459	119	3.1	0.2	0.2	2.6
30....	6.8	5.1	5.8	5.5	....	100	470	120	4.5	0.2	0.2	2.3
31....	5.4	....	5.8	5.5	....	87	....	119	....	0.2	0.4	....
Total	146.1	222.4	179.8	170.5	190.4	535	7727	6483	34302	31.2	7.4	13.6
Mean.	4.71	7.41	5.8	5.5	6.8	17.3	258	209	114	1.01	24	0.45
Max..	9.4	13	....	....	....	....	512	501	543	2.8	1.0	2.6
Min..	2.3	5.1	....	....	....	....	52	108	3.1	0.2	0	0
Acre-ft.	290	441	357	338	378	1060	15330	12860	6800	62	15	27

Total run-off for period=37,960 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Elkhead Creek Near Hayden, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	2.8	12	5.8	4.4	5.0	5.8	16	115	458	35	4.5	0.0
2....	2.5	9.2	6.0	4.6	5.2	6.0	20	138	426	34	3.3	0.0
3....	2.3	12	5.6	4.6	5.4	6.0	30	134	470	28	3.0	0.0
4....	2.3	12	5.4	4.8	5.6	6.0	48	115	478	24	2.8	0.0
5....	2.3	12	5.2	4.4	5.6	6.0	55	132	402	21	1.4	0.0
6....	2.3	11	5.0	4.6	5.8	6.2	70	200	370	19	1.1	0.0
7....	2.3	9.4	5.2	4.2	5.6	6.2	66	312	370	15	0.8	0.0
8....	2.6	9.2	5.2	4.0	5.8	6.2	62	358	350	12	0.8	0.0
9....	2.6	10	5.2	4.4	5.8	6.2	66	446	315	9.2	1.0	0.0
10....	3.0	11	5.2	4.2	5.6	6.4	60	530	290	6.8	0.8	0.0
11....	3.6	14	5.0	4.4	5.4	6.6	54	538	248	5.4	0.8	0.0
12....	5.4	8.8	4.8	4.6	*5.4	6.8	48	635	236	3.9	0.8	0.0
13....	6.4	5.4	4.6	4.8	5.4	6.8	54	752	205	2.8	0.8	0.0
14....	3.6	4.5	4.8	*5.0	5.6	6.6	48	797	182	2.5	0.5	0.0
15....	2.8	4.2	5.0	5.2	5.6	*6.3	38	802	160	2.1	0.1	0.0
16....	2.6	4.0	4.8	5.2	5.6	6.8	24	806	138	1.9	0.0	0.0
17....	2.6	4.5	5.0	5.2	5.6	7.4	22	716	122	2.3	0.0	0.0
18....	2.5	5.0	5.0	5.0	5.6	7.0	16	617	102	3.0	0.0	0.0
19....	2.8	6.0	5.2	5.0	5.6	6.8	21	734	87	4.2	0.7	0.2
20....	5.4	5.7	5.4	5.0	5.6	7.4	18	830	71	6.0	0.6	0.4
21....	8.0	5.1	5.4	5.2	5.6	8.0	19	895	64	8.8	0.0	0.1
22....	6.8	6.0	5.4	5.4	5.8	8.8	21	1010	58	8.8	0.0	0.4
23....	5.7	6.0	5.2	5.4	6.0	9.2	26	959	55	9.2	0.0	0.4
24....	4.5	6.4	5.0	5.4	5.8	9.0	59	797	54	8.4	0.0	0.0
25....	5.1	6.2	5.0	5.2	5.8	8.8	62	653	54	6.8	0.0	0.1
26....	5.7	5.4	5.0	5.2	5.6	9.2	68	562	51	6.4	0.0	0.4
27....	6.0	4.6	4.2	5.0	5.6	9.6	75	526	63	5.4	0.0	0.6
28....	10	4.8	3.6	5.0	5.6	9.4	90	534	60	5.1	0.0	0.6
29....	14	5.2	4.0	4.8	5.6	11	90	534	53	4.5	0.0	0.7
30....	9.6	5.4	4.8	4.8	....	13	99	518	44	5.7	0.0	0.6
31....	11	....	4.4	4.8	....	16	....	514	....	5.4	0.0	....
Total	149.1	225.0	155.4	149.8	162.2	241.5	1445	17209	6036	312.6	23.8	4.5
Mean.	4.81	7.50	5.01	4.83	5.59	7.79	48.2	555	201	10.1	0.77	0.15
Max..	14	14	6.0	5.4	6.0	16	99	1010	478	35	4.5	0.7
Min..	2.3	4.0	3.6	4.0	5.0	5.8	16	115	44	1.9	0.0	0.0
Acre-ft.	296	446	308	297	322	479	2870	34130	11970	620	47	8.9

Total run-off for period=51,790 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Fortification Creek at Craig, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0	0	0	0	0	7.5	18	87	289	9.2	0	0
2....	0	0	0	0	0.4	7.5	17	107	243	7.6	0	0
3....	0	0	0	0	0	7.4	22	84	230	6.6	0	0
4....	0	0	0	0	1.0	7.3	27	55	216	5.4	0	0
5....	0	0	0	0	1.8	7.0	35	50	313	4.2	0	0
6....	0	0	0	0	2.5	6.9	46	84	289	3.3	0	0
7....	0	0	0	0	2.0	6.8	44	156	216	2.5	0	0
8....	0	0	0	0	2.1	7.0	50	166	204	2.0	0	0
9....	0	0	0	0	*2.2	7.4	56	162	188	1.4	0	0
10....	0	0	0	0	1.0	8.0	50	190	194	0.8	0	0
11....	0	0	0	0	0	7.6	44	208	196	0.3	0	0
12....	0	0	0	0	0	7.8	46	241	165	0.2	0	0
13....	0	0	0	0	0	8.2	57	269	130	0.2	0	0
14....	0	0	0	0	0	8.5	55	294	120	0.5	0	0
15....	0	*0	0	0	0	8.4	33	300	99	0.7	0	0
16....	0	0	0	*0	0	8.6	23	309	80	0.4	0	0
17....	0	0	0	0	0	8.8	20	330	67	0.5	0	0
18....	0	0	0	0	0	*8.8	17	366	47	0.3	0	0
19....	0	0	0	0	0	8.8	15	549	39	0.6	0	0
20....	0	0	0	0	0	9.4	17	427	37	0.6	0	0
21....	0	0	0	0	0.3	9.4	18	515	33	0.8	0	0
22....	0	0	0	0	1.8	9.8	19	568	32	0.4	0	0
23....	0	0	0	0	2.8	10	17	505	28	0.2	0	0
24....	0	0	0	0	4.0	10	15	452	26	0.1	0	0
25....	0	0	0	0	6.0	9.6	15	330	23	0.1	0	0
26....	0	0	0	0	4.5	10	19	247	20	0	0	0
27....	0	0	0	0	3.0	10	26	243	18	0	0	0
28....	0	0	0	0	3.3	9.4	36	241	16	0	0	0
29....	0	0	0	0	6.8	11	59	288	13	0	0	0
30....	0	0	0	0	....	13	88	323	11	0	0	0
31....	0	0	0	0	....	17	....	364	....	0	0	0
Total	0	0	0	0	45.5	276.9	1004	8510	3582	48.9	0	0
Mean.	0	0	0	0	1.57	8.93	33.5	275	119	1.58	0	0
Max..	0	0	0	0	6.8	17	88	568	313	9.2	0	0
Min..	0	0	0	0	0	6.8	15	50	11	0	0	0
Acre-ft.	0	0	0	0	90	549	1990	16880	7100	97	0	0

Total run-off for period=26,710 acre-feet.

*Winter discharge measurement made on this day.

Discharge of East Fork of Williams Fork Near Willow Creek, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	31	30	21	23	22	20	23	46	454	214	46	25
2....	30	23	23	22	22	20	23	50	450	206	45	24
3....	30	31	23	23	22	21	24	38	385	192	44	24
4....	28	30	24	23	22	21	25	33	289	175	43	24
5....	28	28	24	22	21	21	25	52	257	163	41	23
6....	28	28	24	22	21	21	26	108	293	142	40	23
7....	27	25	24	23	22	21	26	149	381	128	39	23
8....	27	23	25	23	22	20	25	155	389	120	38	23
9....	27	25	24	22	22	21	25	212	433	116	37	24
10....	27	27	24	23	20	22	25	236	458	111	35	23
11....	31	27	23	23	18	22	25	256	441	105	34	22
12....	38	25	23	23	20	22	26	272	413	92	33	22
13....	31	24	23	22	20	22	27	365	393	84	32	22
14....	36	24	23	22	20	24	26	434	389	78	31	23
15....	31	*23	22	24	*19	*22	25	511	405	74	31	23
16....	33	24	22	25	20	21	25	506	369	73	29	23
17....	33	27	22	25	20	23	25	361	345	71	27	23
18....	30	27	23	*24	20	22	25	241	321	67	27	23
19....	33	26	23	24	20	22	25	228	333	69	27	23
20....	26	26	23	23	20	23	25	236	369	73	28	24
21....	31	25	23	24	21	22	24	268	365	65	27	24
22....	33	25	23	24	21	21	23	324	337	64	27	24
23....	28	25	22	24	21	22	23	448	301	62	26	24
24....	28	25	22	24	21	22	24	548	309	64	27	24
25....	30	24	22	23	20	21	24	454	317	60	35	24
26....	31	21	23	22	20	22	26	425	337	57	29	24
27....	31	22	23	23	20	22	41	413	265	56	27	24
28....	34	22	23	24	20	21	50	417	238	54	27	24
29....	41	21	23	23	20	23	36	468	231	52	26	24
30....	38	20	23	23	....	23	39	499	228	51	26	24
31....	33	....	24	22	....	23	....	472	....	50	27	....
Total	963	753	714	717	597	673	811	9228	10495	2988	1011	704
Mean.	31.1	25.1	23.0	23.1	20.6	21.7	27.0	298	350	96.4	32.6	23.5
Max..	41	31	25	25	22	24	50	548	458	214	46	25
Min..	26	20	21	22	18	20	23	33	225	50	26	22
Acre-ft.	1910	1490	1420	1420	1180	1330	1610	18300	20820	5930	2010	1400

Total run-off for period=58,820 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Little Snake River Near Slater, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	18	30	33	24	30	44	129	1290	2340	285	43	27
2....	19	37	33	24	30	*44	141	1230	2300	257	107	22
3....	19	41	33	24	30	44	177	1210	1490	252	120	19
4....	19	43	33	24	30	44	216	1290	1240	226	54	18
5....	19	33	33	24	30	44	241	1190	1150	204	42	17
6....	19	33	33	24	30	44	260	1010	1030	187	56	16
7....	20	33	33	24	30	44	297	878	990	165	48	16
8....	20	33	33	24	30	44	314	712	998	151	46	15
9....	20	33	*33	24	30	44	249	615	1040	134	43	15
10....	20	33	33	24	30	44	244	586	1050	120	37	15
11....	21	33	33	24	30	44	208	593	1060	109	34	14
12....	21	33	33	24	*30	44	184	586	1020	96	35	14
13....	24	33	33	24	30	44	213	586	960	84	31	13
14....	41	33	33	21	30	44	260	608	878	82	27	12
15....	34	33	33	24	30	44	347	622	878	82	24	12
16....	28	33	33	24	30	44	435	615	772	124	23	12
17....	25	33	33	24	30	44	460	579	675	86	23	13
18....	24	33	33	24	30	44	506	506	705	74	22	14
19....	23	33	33	*24	30	44	586	470	705	66	32	14
20....	23	33	33	24	30	44	765	440	728	60	27	14
21....	22	33	33	24	30	44	825	450	712	50	23	14
22....	22	33	33	24	30	44	810	445	690	74	30	14
23....	25	33	33	24	30	44	870	506	645	66	27	14
24....	26	33	33	24	30	44	1000	608	593	52	28	14
25....	24	33	33	24	30	44	1180	690	586	44	36	14
26....	22	33	33	24	30	44	960	750	476	41	29	14
27....	24	33	33	24	30	44	728	862	430	41	24	18
28....	30	33	33	24	30	44	765	1060	371	35	21	18
29....	30	33	33	24	....	*44	1000	1160	335	35	20	18
30....	30	33	33	24	....	44	1120	1290	335	33	24	19
31....	29	....	33	24	....	44	....	1290	....	32	43	....
Total	741	1009	1023	744	840	1364	15490	24727	27182	3347	1179	469
Mean.	23.9	33.6	33	24	30	44	516	798	906	108	38.0	15.6
Max..	41	....	....	....	....	....	1180	1290	2340	285	120	27
Min..	18	....	....	....	....	....	129	440	335	32	20	12
Acre-ft.	1470	2000	2030	1480	1670	2710	30720	49050	53910	6640	2340	930

Total run-off for period=155,000 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Little Snake River Near Slater, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	19	37	25	16	18	25	52	119	1670	343	29	12
2....	18	24	25	17	19	25	70	152	1590	314	28	11
3....	17	34	26	17	20	26	69	112	1740	294	27	11
4....	17	35	26	17	21	26	102	85	1550	285	25	11
5....	17	36	25	16	22	26	124	117	1570	250	25	10
6....	17	32	24	18	22	27	110	250	1380	222	23	10
7....	17	28	23	17	21	27	110	375	1480	191	23	10
8....	16	26	23	16	22	28	117	375	1570	172	22	10
9....	16	29	23	16	23	28	117	460	1530	159	22	9.0
10....	16	32	22	16	24	28	117	607	1620	144	25	8.6
11....	18	32	21	16	22	29	149	677	1610	136	21	9.0
12....	26	31	20	17	20	30	191	755	1510	119	19	9.5
13....	30	29	19	17	21	31	220	958	1300	108	18	9.5
14....	32	27	20	17	*22	31	154	1100	1200	91	17	9.5
15....	30	26	20	*18	22	30	114	1180	1100	83	17	9.0
16....	28	26	19	18	22	*30	97	1260	1090	78	17	10
17....	26	27	19	18	22	31	83	1230	965	68	16	10
18....	25	31	20	18	22	32	72	755	830	62	15	10
19....	25	27	20	18	22	32	74	785	838	57	19	16
20....	30	27	20	18	22	32	68	912	845	74	21	18
21....	32	25	19	19	23	31	68	1170	815	60	18	15
22....	37	27	19	19	24	32	63	1420	740	63	16	12
23....	35	28	19	19	26	33	58	1590	663	56	15	12
24....	29	23	18	19	25	35	63	1630	642	53	15	11
25....	32	26	18	19	25	37	82	1400	614	55	27	11
26....	34	24	19	19	24	38	87	1260	586	50	20	11
27....	35	20	18	19	23	38	104	1280	500	43	16	11
28....	38	22	16	18	23	27	139	1410	400	40	14	12
29....	50	24	17	17	23	45	110	1530	411	36	13	11
30....	55	26	18	17	....	52	110	1670	375	35	13	12
31....	42	....	17	18	....	54	....	1750	....	32	12	....
Total	859	841	638	544	645	996	3094	28374	32774	3773	608	331.1
Mean.	27.7	28.0	20.6	17.5	22.2	32.1	103	915	1092	122	19.6	11.0
Max..	55	37	26	19	26	54	220	1750	1740	343	29	18
Min..	16	20	16	16	18	25	52	85	375	32	12	8.6
Acre-ft.	1700	1670	1270	1080	1280	1980	6140	56280	65010	7480	1210	657

Total run-off for period=145,800 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Little Snake River Near Dixon, Wyoming, for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	6.4	56	64	82	72	137	640	2530	3130	604	5.7	15
2....	5.6	70	84	76	70	137	624	2480	5630	484	16	12
3....	5.6	78	75	82	69	140	845	2420	4500	414	35	9.6
4....	6.0	86	80	68	69	144	1020	2590	3160	358	28	9.2
5....	6.0	86	74	59	69	140	980	2780	2850	300	8.7	8.7
6....	6.4	56	*60	58	69	130	926	2220	2430	210	7.8	8.2
7....	6.8	69	62	62	77	140	962	2050	2240	148	8.7	8.2
8....	7.2	78	61	62	81	150	1110	1580	2160	120	8.7	7.8
9....	7.6	78	65	62	79	145	863	1340	2200	102	8.7	7.8
10....	8.0	73	75	60	78	140	736	1340	2220	83	8.2	7.4
11....	8.0	46	84	60	*86	145	616	1280	2200	70	8.2	6.4
12....	8.6	56	84	61	88	151	476	1210	2120	59	8.7	6.4
13....	11	67	82	64	92	158	532	1180	1990	44	8.7	6.0
14....	20	66	79	68	92	*161	656	1190	1800	37	8.2	5.7
15....	48	84	79	*75	92	170	872	1190	1740	27	7.8	5.7
16....	40	75	80	80	94	184	1180	1180	1660	28	7.8	5.1
17....	33	75	82	88	97	191	1330	1180	1420	26	7.4	5.1
18....	27	86	82	88	100	181	1330	1080	1400	14	7.8	5.4
19....	21	81	85	77	105	165	1440	962	1400	10	8.7	5.4
20....	19	83	82	72	110	171	1810	881	1450	9.2	10	5.7
21....	19	63	83	72	120	152	2000	890	1430	8.7	10	6.4
22....	18	49	80	74	130	158	1900	845	1380	7.8	9.6	6.4
23....	20	64	82	78	140	174	1820	908	1340	7.8	13	6.9
24....	26	69	85	84	145	213	2190	1060	1260	7.4	21	7.4
25....	38	69	88	91	140	248	2770	1170	1200	6.9	19	7.8
26....	55	48	88	92	138	265	2380	1230	1100	6.9	24	8.2
27....	50	64	86	81	140	340	1640	1330	970	6.0	20	7.8
28....	55	73	86	80	138	434	1500	1620	853	6.0	13	6.4
29....	67	67	88	80	....	568	1940	1960	754	5.7	11	6.9
30....	67	76	86	78	....	935	2010	2120	727	5.4	10	6.9
31....	64	....	80	74	....	818	....	2310	....	5.4	10	....
Total	780.2	2091	2451	2291	2780	7385	39098	48106	58714	3221.2	379.4	221.9
Mean.	25.2	69.7	79.1	73.9	99.3	238	1303	1552	1957	104	12.2	7.40
Max.	....	86	88	92	145	935	2770	2780	5630	604	35	15
Min.	5.6	46	60	58	69	130	476	845	727	5.4	5.7	5.1
Acre-ft.	1550	4150	4860	4540	5510	14650	77550	95420	116500	6390	753	440

Total run-off for period=332,300 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Little Snake River Near Dixon, Wyoming, for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	7.4	94	68	50	60	80	225	490	3580	674	7.4	4.7
2....	7.4	76	71	54	62	82	193	538	3460	573	7.0	4.4
3....	7.4	64	69	54	64	82	238	464	3860	545	7.0	4.4
4....	7.4	78	66	56	68	82	305	344	3430	524	7.0	4.1
5....	7.0	86	62	50	70	82	412	400	3830	464	7.0	4.1
6....	6.5	86	58	60	73	82	426	629	3080	362	7.0	4.4
7....	6.5	68	60	56	70	84	280	1120	3150	238	7.0	4.1
8....	6.5	62	62	50	73	84	356	1240	3400	185	7.4	3.8
9....	6.5	62	62	54	78	86	400	1290	3190	147	7.4	3.5
10....	7.0	76	60	52	78	86	368	1720	3290	132	7.0	3.3
11....	7.4	90	60	52	70	88	484	1630	3260	120	7.8	3.1
12....	9.6	88	56	53	66	90	698	1810	3150	92	7.8	3.1
13....	11	82	52	55	68	92	926	2200	2670	73	7.0	2.9
14....	12	86	56	56	*71	94	594	2670	2510	64	6.2	2.9
15....	17	78	58	*57	72	90	445	2800	2240	51	5.6	3.1
16....	18	73	56	60	72	*93	320	2940	2210	43	5.6	3.3
17....	25	71	56	60	72	96	305	3050	2030	36	5.6	3.3
18....	24	73	58	58	72	100	217	2240	1660	25	5.0	3.8
19....	25	84	60	58	72	105	256	2250	1600	19	4.7	4.7
20....	32	76	62	60	72	105	234	2490	1610	13	4.7	5.6
21....	48	74	64	60	72	100	252	3220	1550	12	4.7	5.9
22....	59	73	60	62	74	105	243	3790	1460	12	4.7	5.9
23....	68	78	62	62	80	110	217	4420	1270	11	4.7	5.3
24....	64	74	60	62	82	115	217	4300	1190	11	4.7	4.7
25....	57	73	56	62	80	120	285	3540	1180	11	4.4	4.7
26....	62	61	62	62	78	130	374	3050	1150	9.6	4.7	4.7
27....	73	50	56	60	76	135	386	2890	1080	9.2	5.9	4.7
28....	74	55	46	56	76	118	510	2980	917	8.8	5.3	5.0
29....	84	64	50	54	76	144	497	3390	810	8.3	4.7	5.6
30....	108	69	56	54	....	174	478	3470	746	7.8	4.4	7.4
31....	110	....	52	56	....	217	....	3780	....	7.8	4.4	....
Total	1057.6	2224	1836	1755	2097	3251	11141	71145	68563	4488.5	183.8	130.5
Mean.	34.1	74.1	59.2	56.6	72.3	105	371	2295	2285	145	5.93	4.35
Max.	110	94	71	62	82	217	926	4420	3860	674	7.8	7.4
Min.	6.5	50	46	50	60	80	193	344	746	7.8	4.4	2.9
Acre-ft.	2100	4410	3640	3480	4160	6450	22100	141100	136000	8900	365	259

*Winter discharge measurement made on this day.

Total run-off for period=333,000 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Little Snake River Near Lily, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0	53	44	62	66	120	1100	1840	2240	569	11	12
2....	0	59	48	59	72	100	880	2200	6220	543	20	11
3....	0	59	51	54	69	110	780	2300	7530	478	47	22
4....	0	58	52	49	64	128	710	2240	6880	397	44	18
5....	0	62	48	51	64	148	906	2180	4750	345	42	12
6....	0	68	46	54	66	140	1020	2570	4290	316	42	9.0
7....	0	77	46	51	71	148	978	2320	3760	283	40	8.0
8....	0	79	47	53	81	159	952	2000	3110	252	50	7.4
9....	0	79	47	56	74	178	1040	1700	2520	195	44	8.0
10....	0	63	46	57	62	150	1220	1370	2050	160	30	7.4
11....	0.2	65	45	54	71	156	935	1220	1860	164	24	6.8
12....	1.2	86	44	53	80	166	834	1190	1870	102	29	5.0
13....	7.4	79	42	62	90	172	740	1140	1840	84	28	5.0
14....	56	65	39	70	100	188	622	1070	1740	70	84	3.2
15....	36	70	39	79	104	180	602	1050	1630	60	56	2.6
16....	375	97	*41	73	100	170	688	1090	1520	60	41	2.0
17....	174	88	44	64	98	190	898	1100	1460	52	62	1.8
18....	133	97	46	58	100	205	1190	1090	1320	46	30	1.5
19....	84	102	45	70	*103	210	1320	1050	1140	28	26	1.5
20....	66	79	45	*74	108	180	1360	969	1120	35	16	1.5
21....	53	77	48	78	113	180	1630	890	1100	30	12	1.3
22....	47	79	46	88	117	190	1870	818	1120	33	14	1.3
23....	42	70	48	90	119	175	1810	810	1100	27	28	1.3
24....	45	60	50	80	115	185	1730	770	1040	24	301	1.3
25....	50	60	47	73	107	210	1920	810	1000	20	79	1.2
26....	47	61	44	71	110	250	2040	914	935	18	30	1.2
27....	51	62	41	76	120	300	2400	986	882	17	20	1.3
28....	62	56	50	79	148	350	1870	1040	802	13	12	4.4
29....	59	51	60	74	....	450	1480	1160	732	12	4.4	0.6
30....	59	45	57	71	....	640	1570	1610	666	11	33	3.2
31....	50	....	69	62	....	990	....	1860	....	11	23	....
Total	1497.8	2106	1465	2045	2592	7118	37095	43357	68227	4455	1322.4	202.4
Mean.	48.3	70.2	47.3	66.0	92.6	230	1236	1399	2271	144	42.7	6.75
Max..	375	102	69	90	148	990	2400	2570	7530	569	301	4.4
Min..	0	45	39	49	62	100	602	770	666	11	4.4	0.6
Acre-ft.	2970	4180	2910	4060	5140	14120	73580	86000	135300	8840	2620	401

*Winter discharge measurement made on this day.

Total run-off for period=340,100 acre-feet.

Discharge of Little Snake River Near Lily, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	13	59	100	59	74	79	360	1140	4290	842	32	0.2
2....	7.4	80	97	58	75	86	390	874	4220	762	27	0.2
3....	2.6	86	90	65	70	87	350	762	4080	702	21	0.2
4....	1.7	82	83	62	72	84	420	732	4460	644	18	0.1
5....	1.3	71	79	58	78	80	540	725	4830	644	16	0.1
6....	1.2	56	74	67	76	76	640	629	4810	589	14	0.1
7....	1.2	47	71	65	78	75	715	516	3970	523	12	0.1
8....	1.2	46	75	58	80	73	490	748	3600	442	9.0	0.1
9....	1.0	52	78	62	84	76	620	1240	3990	345	7.4	0
10....	1.0	62	78	59	86	96	690	1270	3690	283	6.4	0
11....	1.5	65	76	*58	70	102	660	1480	3570	239	5.9	0
12....	3.2	75	73	59	66	105	840	1610	3620	195	5.6	0
13....	3.8	75	69	60	67	107	1200	1650	3620	157	5.1	0
14....	23	71	68	62	68	105	1500	1870	3040	133	4.8	0
15....	44	71	70	64	71	103	1050	2170	2700	119	4.2	0
16....	27	71	70	67	60	108	850	2360	2380	98	3.3	0
17....	19	71	70	70	*61	114	560	2460	2270	84	2.7	0
18....	16	73	71	66	65	115	440	3280	2130	79	2.3	0
19....	15	75	72	65	69	115	450	4620	1900	70	2.0	0.1
20....	14	75	74	67	66	120	419	2810	1700	63	1.7	0.1
21....	13	75	74	67	68	135	397	2880	1640	65	1.4	0
22....	13	71	70	68	71	140	392	3420	1640	56	1.3	0
23....	13	70	69	71	68	145	365	4220	1570	48	1.2	0
24....	13	68	68	74	74	150	365	5130	1430	56	1.1	0
25....	20	60	67	73	79	159	392	5340	1290	60	1.0	0
26....	38	55	70	68	78	169	350	4310	1230	40	0.6	0
27....	44	15	66	68	75	185	355	3600	1210	38	0.6	0
28....	44	63	63	70	74	170	516	3230	1190	36	0.6	0
29....	44	65	60	70	74	210	935	3230	1100	36	0.3	0
30....	45	77	61	65	....	245	1410	3640	952	35	0.5	0
31....	47	....	61	65	....	315	....	3880	....	33	0.3	....
Total	532.1	1982	2267	2010	2097	3929	18661	75826	82122	7516	209.3	1.3
Mean.	17.2	66.1	73.1	64.8	72.3	127	622	2446	2737	242	6.75	0.04
Max..	47	86	100	74	86	315	1500	5340	4830	842	32	0.2
Min..	1.0	15	60	58	60	73	350	516	952	33	0.3	0
Acre-ft.	1060	3930	4500	3990	4160	7790	37010	150400	162900	14910	415	3

*Winter discharge measurement made on this day.

Total run-off for period=391,100 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Battle Creek Near Slater, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	4.9	11	7.7	5.9	6.0	20	115	335	765	114	9.2	7.1
2....	5.7	12	7.7	5.9	6.0	20	105	350	645	100	12	7.1
3....	5.7	13	7.7	5.9	6.0	*20	150	370	380	92	13	7.1
4....	6.1	15	7.7	5.9	6.0	20	174	415	301	82	8.8	7.1
5....	6.1	7.6	7.7	5.9	6.0	20	161	375	277	76	8.2	6.7
6....	6.5	6.5	7.7	5.9	6.0	20	143	277	233	67	9.0	6.7
7....	6.1	12	7.7	5.9	6.0	20	149	228	226	60	9.2	6.5
8....	6.5	10	7.7	5.9	6.0	20	154	205	218	61	8.2	6.0
9....	7.6	11	*7.7	5.9	6.0	20	135	192	230	53	8.2	5.4
10....	7.6	4.4	7.7	5.9	6.0	20	128	188	235	44	8.0	4.9
11....	10	6.1	7.7	5.9	6.0	20	118	187	247	39	7.8	4.8
12....	12	7.6	7.7	5.9	*6.0	20	114	184	240	31	14	4.6
13....	17	7.2	7.7	5.9	6.0	20	123	184	220	25	8.5	4.6
14....	28	7.6	7.7	5.9	6.0	20	135	192	204	22	8.5	4.4
15....	18	11	7.7	5.9	6.0	20	155	195	194	23	8.8	4.3
16....	12	9.0	7.7	5.9	6.0	20	177	195	177	28	8.8	4.4
17....	10	13	7.7	5.9	6.0	20	180	184	167	24	8.5	4.4
18....	9.0	9.0	7.7	5.9	6.0	20	179	177	180	21	8.8	4.4
19....	9.0	9.0	7.7	*5.9	6.0	20	190	172	192	20	14	4.4
20....	8.0	8.0	7.7	5.9	6.0	20	217	171	208	17	9.5	4.4
21....	7.6	4.4	7.7	5.9	6.0	20	228	165	211	17	9.2	4.4
22....	7.6	4.0	7.7	5.9	6.0	20	222	164	211	18	8.8	4.4
23....	8.0	5.2	7.7	5.9	6.0	20	223	171	205	16	8.5	4.4
24....	9.0	6.0	7.7	5.9	6.0	20	266	182	198	13	8.2	4.4
25....	7.6	6.2	7.7	5.9	6.0	20	365	191	194	12	8.2	4.4
26....	6.1	4.4	7.7	5.9	6.0	20	247	202	177	12	8.0	5.5
27....	7.2	5.5	7.7	5.9	6.0	20	204	220	164	10	8.0	6.5
28....	8.0	6.8	7.7	5.9	6.0	20	205	277	150	9.8	8.0	5.2
29....	9.0	6.6	7.7	5.9	....	20	222	340	138	9.8	7.8	4.9
30....	8.0	7.2	7.7	5.9	....	20	238	375	126	9.2	7.5	4.6
31....	4.4	....	7.7	5.9	....	20	....	425	....	9.0	7.3	....
Total	278.3	246.3	238.7	182.9	168.0	620	5422	7488	7313	1134.8	280.5	158.0
Mean.	8.98	8.21	7.7	5.9	6.0	20	181	242	244	36.6	9.05	5.27
Max..	28	15	....	....	....	....	365	425	765	114	14	7.1
Min..	4.4	4.0	....	....	....	....	105	164	126	9.0	7.3	4.3
Acre-ft.	552	489	473	363	333	1230	10750	14850	14510	2250	556	313

Total run-off for period=46,670 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Battle Creek Near Slater, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	4.6	10	7.2	5.6	6.6	7.8	22	31	580	141	14	4.8
2....	4.8	9.2	7.5	5.6	6.4	7.8	21	35	560	132	12	5.2
3....	4.8	9.2	7.0	5.8	7.0	7.8	26	30	535	142	12	5.0
4....	4.6	11	7.0	6.0	7.2	7.8	31	25	660	141	11	4.7
5....	4.6	11	6.8	5.8	7.6	7.8	39	35	644	125	11	4.5
6....	4.6	9.5	6.6	6.6	7.6	8.0	46	64	555	110	11	4.5
7....	4.6	10	6.6	6.2	7.4	8.0	43	109	611	90	11	4.7
8....	4.6	8.8	6.8	5.6	7.6	8.0	55	123	633	77	9.1	5.2
9....	4.8	11	6.8	6.2	7.8	8.0	72	135	622	71	8.6	5.0
10....	4.8	12	6.6	6.0	7.6	8.2	70	167	716	65	8.1	4.3
11....	5.5	10	6.6	6.2	7.6	8.6	75	161	721	63	7.6	4.6
12....	6.5	10	6.2	6.4	7.2	8.6	86	172	666	58	6.2	4.8
13....	6.3	9.5	6.0	6.4	7.2	8.8	96	198	560	52	5.8	4.8
14....	5.9	9.2	6.2	6.6	7.3	8.8	89	230	540	46	5.8	5.0
15....	6.3	9.0	6.4	6.8	7.4	8.6	76	277	485	43	5.8	5.2
16....	6.3	9.5	6.4	7.0	7.4	8.7	44	305	495	40	6.7	5.4
17....	6.1	9.5	6.4	6.8	7.4	8.8	27	313	455	34	6.2	5.6
18....	5.4	10	6.6	6.6	7.6	9.2	23	252	382	29	6.2	5.6
19....	5.5	8.2	6.8	6.4	7.6	9.2	26	238	378	29	6.7	5.8
20....	7.3	7.5	7.0	6.6	7.6	9.2	20	235	398	32	5.8	6.2
21....	7.5	6.5	6.8	6.8	7.6	9.8	24	360	394	26	6.2	6.2
22....	10	6.9	6.8	6.8	7.6	10	22	515	362	24	5.8	6.2
23....	9.2	6.5	6.8	7.0	7.6	10	20	610	318	24	5.8	6.2
24....	8.0	5.4	6.6	7.0	7.8	11	22	540	303	22	6.7	5.8
25....	8.8	7.5	6.8	7.0	7.6	12	23	430	294	22	7.2	5.6
26....	9.0	5.5	6.8	6.8	7.4	13	25	375	288	20	6.7	5.6
27....	9.2	5.5	6.2	6.6	7.4	12	25	380	249	17	5.8	5.6
28....	10	6.7	5.4	6.4	7.4	11	32	450	195	17	5.8	5.6
29....	14	6.7	5.6	6.2	7.6	12	29	580	166	16	5.8	5.6
30....	13	6.5	6.0	6.2	....	14	31	620	152	17	5.8	6.2
31....	12	....	5.8	6.2	....	15	....	630	....	15	5.5	....
Total	218.6	257.8	203.1	198.2	215.3	296.5	1240	8625	13917	1741	237.7	159.5
Mean.	7.05	8.59	6.55	6.39	7.42	9.56	41.3	278	464	56.2	7.67	5.32
Max..	14	12	7.5	7.0	7.8	15	96	630	721	142	14	6.2
Min..	4.6	5.4	5.4	5.6	6.4	7.8	20	25	152	15	5.5	4.3
Acre-ft.	434	511	403	393	427	588	2460	17110	27600	3450	471	316

Total run-off for period=54,160 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Slater Fork Near Slater, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	9.4	18	16	12	15	13	50	321	780	73	5.0	7.2
2....	10	18	18	12	15	11	54	280	1030	60	5.0	4.4
3....	11	18	16	11	17	11	71	263	501	53	9.7	4.3
4....	11	20	15	9.4	18	11	86	370	363	49	1.0	3.7
5....	11	16	15	12	17	11	92	339	336	42	7.4	3.3
6....	11	14	12	12	17	11	105	238	281	39	9.0	4.3
7....	12	18	16	12	20	12	118	220	273	32	9.2	5.0
8....	12	17	16	12	20	13	120	173	271	23	9.7	5.2
9....	12	19	19	13	19	16	80	150	281	19	9.4	5.2
10....	12	10	19	13	18	19	76	152	277	16	7.2	5.8
11....	12	17	19	13	*18	22	57	151	283	15	7.6	5.8
12....	12	15	19	12	18	20	49	138	259	12	8.6	6.0
13....	*13	18	18	13	18	24	62	139	226	11	7.6	6.0
14....	24	18	18	14	20	28	87	143	196	9.7	6.9	4.6
15....	21	19	18	*14	20	24	113	149	208	9.2	6.0	4.2
16....	17	17	18	13	19	22	146	147	182	14	5.8	5.2
17....	16	18	18	12	20	20	159	140	159	13	5.7	5.2
18....	15	19	17	13	20	22	165	127	172	9.0	5.0	5.0
19....	14	19	17	13	20	19	187	112	178	8.0	6.2	4.8
20....	13	18	17	15	22	21	233	112	182	7.6	6.7	5.4
21....	13	11	17	18	20	17	266	119	179	5.2	5.0	5.5
22....	13	12	17	17	23	21	246	115	170	7.2	5.8	4.6
23....	15	19	18	15	20	24	232	140	160	7.2	6.5	3.8
24....	15	20	18	14	17	24	318	168	146	5.7	4.2	5.7
25....	14	16	18	14	16	26	351	175	142	5.8	1.0	7.2
26....	14	9.4	17	14	11	32	287	184	126	4.6	7.8	8.0
27....	15	20	14	14	16	36	209	196	116	3.4	6.2	9.7
28....	16	20	15	15	16	36	207	241	98	3.2	5.7	1.1
29....	17	18	16	16	....	52	293	275	84	3.6	5.0	1.1
30....	17	19	13	16	....	64	287	269	86	4.4	4.8	8.6
31....	12	....	13	17	....	57	....	292	....	4.8	8.6	....
Total	429.4	510.4	517	420.4	510	741	4806	6038	7745	569.6	217.3	175.7
Mean.	13.9	17.0	16.7	13.6	18.2	23.9	160	195	258	18.4	7.01	5.86
Max..	24	20	19	18	23	64	351	370	1030	73	10	11
Min..	9.4	9.4	12	9.4	11	11	49	112	84	3.2	4.2	3.3
Acre-ft.	852	1010	1030	834	1010	1470	9530	11980	15360	1130	431	348

Total run-off for period=44,980 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Slater Fork Near Slater, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	8.6	20	13	13	17	20	20	64	453	100	7.4	7.2
2....	9.0	12	12	13	17	21	20	77	454	92	6.9	6.9
3....	9.4	15	14	13	16	21	26	58	550	89	6.4	6.2
4....	10	19	16	13	16	22	44	42	498	78	6.0	6.9
5....	10	16	15	13	15	22	58	64	480	74	5.2	5.4
6....	10	13	14	14	16	20	59	116	373	64	4.8	3.2
7....	9.7	13	16	13	16	18	48	194	416	50	4.6	2.9
8....	9.7	12	13	13	16	18	50	180	414	42	4.8	2.9
9....	10	17	13	12	16	24	57	226	402	39	4.3	2.8
10....	11	14	12	12	14	21	58	314	447	34	4.2	3.5
11....	12	14	12	12	9.9	20	70	301	426	30	4.3	5.0
12....	15	13	12	12	17	19	85	378	378	26	4.4	4.0
13....	16	12	12	13	16	28	99	458	312	23	4.8	7.0
14....	16	13	14	13	17	21	61	512	311	21	3.5	7.4
15....	16	12	15	13	17	18	50	538	291	17	3.3	8.2
16....	16	12	13	13	14	16	34	570	288	15	3.3	8.8
17....	16	12	13	14	17	18	35	481	249	14	3.3	9.2
18....	15	14	14	14	18	17	29	304	202	13	3.7	1.0
19....	15	13	13	13	19	14	33	339	210	13	3.9	1.2
20....	19	13	14	13	19	16	32	408	229	15	5.8	1.3
21....	22	13	13	13	19	16	32	471	229	14	5.0	1.1
22....	22	14	13	12	20	16	30	525	214	13	2.2	1.1
23....	20	14	13	12	20	19	26	564	171	13	2.0	1.1
24....	19	9.9	12	12	21	17	30	564	170	13	1.8	1.2
25....	20	16	13	12	20	14	39	424	171	13	3.5	1.3
26....	20	6.4	14	13	20	21	42	371	195	11	4.3	1.3
27....	20	11	13	13	19	17	45	357	170	10	4.4	1.3
28....	22	12	13	13	19	14	66	414	153	9.8	5.0	1.3
29....	20	13	13	14	20	23	52	438	137	9.2	4.4	1.4
30....	31	13	14	15	....	19	57	445	120	9.0	5.5	2.0
31....	25	....	13	16	....	21	....	490	....	8.4	5.7	....
Total	503.4	401.3	414	404	500.9	591	1387	10687	9113	972.4	138.7	263.5
Mean.	16.2	13.4	13.4	13.0	17.3	19.1	46.2	345	304	31.4	4.47	8.78
Max..	31	20	16	16	21	28	99	570	550	100	7.4	2.0
Min..	8.6	6.4	12	12	9.9	14	20	42	120	8.4	1.8	2.8
Acre-ft.	998	796	821	801	994	1170	2750	21200	18080	1930	275	523

Total run-off for period=50,340 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Savery Creek Near Savery, Wyoming, for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	10	19	27	24	20	29	260	303	666	67	3.6	7.0
2....	10	23	28	24	20	29	258	291	1180	58	4.3	5.5
3....	11	26	23	24	20	30	393	268	774	48	8.5	4.8
4....	11	27	24	21	20	31	463	297	506	46	7.8	4.6
5....	12	25	21	18	20	31	344	372	463	39	7.0	4.1
6....	13	25	20	17	20	29	276	321	365	34	7.0	3.6
7....	13	25	21	18	21	31	262	294	309	32	7.4	3.6
8....	13	28	21	19	23	33	201	233	273	31	6.6	3.4
9....	14	31	*23	19	23	31	221	213	258	27	6.6	2.3
10....	14	28	25	18	22	31	199	217	245	24	5.2	1.4
11....	14	31	26	18	24	31	174	197	239	20	5.2	1.8
12....	15	34	25	19	25	33	148	179	233	17	6.6	1.8
13....	18	34	25	20	*26	34	172	166	215	17	7.0	2.1
14....	30	35	25	21	26	36	197	161	203	14	5.5	2.3
15....	28	26	24	23	26	38	237	162	209	14	4.8	2.3
16....	23	24	24	24	26	42	288	181	201	17	4.3	2.4
17....	21	25	25	26	26	42	324	195	170	17	4.1	2.6
18....	20	27	25	26	27	40	324	187	150	14	3.8	2.9
19....	18	27	26	*23	28	36	379	168	141	12	5.2	2.9
20....	18	25	25	20	29	38	460	157	134	9.4	6.3	3.1
21....	18	21	25	20	30	35	456	150	126	7.8	5.5	3.1
22....	18	16	25	21	32	34	407	141	112	8.5	4.8	3.1
23....	18	19	25	22	33	37	379	140	100	9.8	4.8	3.4
24....	19	21	26	23	33	42	428	146	90	9.4	7.8	3.6
25....	19	18	27	25	31	52	646	148	89	8.5	8.5	4.3
26....	18	16	26	26	31	64	410	148	82	7.4	7.4	4.8
27....	18	21	26	24	30	80	270	152	72	5.5	6.6	4.8
28....	19	27	26	23	29	160	252	172	66	4.6	5.5	6.3
29....	22	27	27	22	....	321	288	201	70	4.8	4.8	8.5
30....	21	27	25	22	....	542	279	215	76	4.8	4.8	9.8
31....	20	....	24	21	....	418	....	237	....	4.3	5.9	....
Total	536	758	765	671	721	2460	9485	6412	7817	632.8	183.2	116.2
Mean.	17.3	25.3	24.7	21.6	25.8	79.4	316	207	261	20.4	5.91	3.87
Max.	30	35	28	26	33	542	646	372	1180	67	8.5	9.8
Min.	10	16	20	17	20	29	148	140	66	4.3	3.6	1.4
Acre-ft.	1060	1500	1520	1330	1430	4880	18810	12720	15500	1260	363	230

Total run-off for period==60,600 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Savery Creek Near Savery, Wyoming, for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	8.1	24	22	19	22	32	90	199	588	86	9.3	4.0
2....	7.8	23	21	19	22	32	88	213	568	81	7.5	3.5
3....	7.8	21	23	20	22	33	100	162	748	89	8.4	3.8
4....	7.4	23	24	20	23	33	130	132	732	87	8.0	3.5
5....	8.5	24	24	18	25	33	160	159	856	76	5.4	2.5
6....	7.0	23	25	19	26	33	170	290	656	65	5.4	2.2
7....	6.6	23	24	18	25	34	150	434	644	58	5.8	3.0
8....	7.0	22	24	17	25	34	170	456	756	50	5.4	3.2
9....	7.0	24	23	17	26	35	190	448	620	47	6.1	3.2
10....	5.5	31	23	17	28	36	190	512	544	58	5.4	4.0
11....	8.1	26	22	17	28	37	230	445	504	41	4.7	3.8
12....	9.8	25	21	17	28	37	290	452	462	35	4.4	3.8
13....	11	26	19	17	28	38	330	524	401	30	3.8	3.8
14....	14	26	19	17	*28	37	200	584	359	25	3.5	3.8
15....	14	24	20	17	28	36	150	612	330	26	3.5	4.4
16....	14	23	19	*17	28	36	140	604	315	28	3.2	4.7
17....	15	24	18	18	28	38	120	540	295	26	3.2	4.7
18....	14	23	18	18	28	40	90	428	264	24	2.5	5.0
19....	15	24	18	18	29	41	100	508	233	20	3.5	6.8
20....	20	24	19	18	30	42	97	668	221	22	3.2	8.0
21....	21	24	19	18	31	42	103	1020	206	22	3.5	9.3
22....	23	24	19	19	32	45	96	1280	204	22	4.4	8.8
23....	23	25	18	20	32	47	89	1300	199	22	4.4	8.4
24....	22	26	18	21	33	49	93	1140	178	23	4.7	8.0
25....	21	24	19	21	33	52	133	856	182	21	6.8	8.0
26....	23	23	19	20	32	55	153	696	219	18	7.2	8.4
27....	24	22	20	20	31	57	160	620	168	16	6.8	8.8
28....	23	21	19	20	31	57	199	604	141	16	6.4	9.3
29....	24	21	18	20	31	55	178	628	121	15	6.1	9.3
30....	29	20	20	20	....	62	176	612	102	16	6.1	9.8
31....	29	....	19	21	....	76	....	636	....	12	5.0	....
Total	469.6	713	634	578	813	1314	4565	17762	11816	1177	163.6	169.8
Mean.	15.1	23.8	20.5	18.6	28.0	42.4	152	573	394	38.0	5.28	5.66
Max.	29	31	25	21	33	76	330	1300	856	89	9.3	9.8
Min.	5.5	20	18	17	22	32	88	132	102	12	2.5	2.2
Acre-ft.	931	1410	1260	1150	1610	2610	9050	35230	23440	2330	324	337

Total run-off for period==79,680 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of White River Near Meeker, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	283	380	332	287	230	271	334	1470	1770	1120	350	410
2....	283	380	344	287	260	240	356	1440	2060	925	386	392
3....	287	374	328	275	270	230	386	1480	1700	880	502	374
4....	287	386	306	234	240	270	424	1500	1410	795	488	368
5....	287	344	300	243	270	260	424	1570	1340	731	445	356
6....	300	374	252	271	250	240	445	1400	1250	699	495	344
7....	306	368	263	240	270	270	502	1220	1270	611	563	344
8....	306	362	291	222	280	290	510	1050	1350	563	518	334
9....	300	374	344	240	280	310	431	970	1530	518	518	306
10....	300	328	339	250	250	300	392	907	1750	495	480	300
11....	312	322	334	250	260	290	368	829	1840	488	510	291
12....	300	334	306	240	280	280	350	747	1720	510	540	291
13....	334	339	300	230	*260	280	356	787	1520	438	495	287
14....	398	344	312	250	250	280	386	771	1350	438	459	291
15....	350	368	317	270	250	280	445	771	1290	480	438	287
16....	334	362	300	270	263	*260	488	739	1300	502	431	283
17....	334	344	306	*264	270	255	587	707	1270	398	452	279
18....	322	350	300	230	270	267	603	651	1390	392	510	279
19....	334	346	300	210	270	243	683	603	1500	392	659	287
20....	344	350	300	250	280	259	731	548	1620	404	555	279
21....	339	334	300	290	270	237	829	555	1750	417	495	275
22....	339	287	279	290	290	259	795	540	1810	445	473	271
23....	339	328	317	280	310	275	863	563	1860	431	445	271
24....	344	334	312	270	280	275	934	651	1780	392	452	279
25....	344	344	300	230	260	279	1010	763	1720	386	488	279
26....	339	271	295	220	259	275	1030	889	1680	368	438	283
27....	344	350	259	250	263	295	970	916	1530	344	417	300
28....	350	350	312	280	271	317	880	1110	1390	344	404	295
29....	368	306	312	270	....	362	1120	1350	1210	344	398	300
30....	356	356	275	270	....	398	1340	1630	1250	350	424	312
31....	344	....	295	270	....	380	....	1910	....	356	452	....
Total	10107	10389	9430	7933	7456	8727	18972	31037	46210	15956	14680	9247
Mean.	326	346	304	256	266	282	632	1001	1540	515	474	308
Max.	398	386	344	290	310	398	1340	1910	2060	1120	659	410
Min.	283	271	252	210	230	230	334	540	1210	344	350	271
Ac.-ft.	20050	20610	18700	15730	14790	17310	37630	61560	91660	31650	29120	18340

Total run-off for period=377,200 acre-feet.

*Winter discharge measurement made on this day.

Discharge of White River Near Meeker, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	275	342	288	264	320	246	274	418	2360	1280	359	264
2....	275	302	310	249	297	252	261	442	2400	1200	348	261
3....	271	310	274	306	267	255	267	418	2240	1170	348	261
4....	271	327	288	302	274	249	284	364	1970	1120	337	261
5....	263	342	292	228	264	252	288	394	1680	1030	342	261
6....	255	342	315	284	252	246	297	454	1560	934	337	258
7....	252	320	310	270	258	228	297	571	1630	838	332	252
8....	252	288	315	240	279	228	279	627	1650	731	326	249
9....	255	320	302	258	292	261	279	667	1720	683	332	249
10....	255	348	302	267	270	258	284	880	2030	675	326	249
11....	263	342	270	315	234	255	288	829	2220	667	326	252
12....	306	326	267	264	261	274	292	934	2260	579	337	261
13....	306	320	264	255	252	406	306	1300	2060	536	332	261
14....	322	315	297	302	258	424	364	1640	2060	522	332	258
15....	317	310	274	329	274	359	354	1940	2000	503	342	267
16....	312	306	258	320	258	310	342	2300	2050	510	348	279
17....	306	306	264	302	270	337	342	2220	1890	503	332	274
18....	295	326	267	302	258	332	310	1560	1740	442	337	270
19....	322	320	315	302	252	306	315	1350	1750	442	342	267
20....	322	315	315	315	258	302	306	1290	1940	478	342	261
21....	312	315	302	315	261	288	306	1440	2060	472	320	261
22....	312	326	297	315	258	270	302	1480	2030	472	302	264
23....	306	332	279	337	246	297	292	1970	1850	460	297	264
24....	295	320	292	342	252	302	292	2440	1790	466	297	279
25....	295	320	264	332	258	270	306	2240	1970	496	337	279
26....	291	284	302	270	252	279	326	2130	2030	472	310	252
27....	283	261	249	306	246	267	332	2030	1940	436	284	249
28....	291	288	252	315	249	252	412	2060	1620	418	267	252
29....	334	274	284	292	252	270	400	2210	1520	412	264	258
30....	356	267	310	288	....	270	394	2280	1390	412	267	267
31....	356	....	292	306	....	284	....	2440	....	376	267	....
Total	9126	9414	8910	9083	7622	8829	9391	43318	57410	19735	9969	7840
Mean.	294	314	287	293	263	285	313	1397	1914	637	322	261
Max.	356	348	315	342	320	424	412	2440	2400	1280	359	279
Min.	252	261	249	228	234	228	261	364	1390	376	264	249
Ac.-ft.	18100	18670	17670	18020	15120	17510	18630	85920	113900	39140	19770	15550

Total run-off for period=398,000 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of White River Near Watson, Utah, for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	388	484	456	400	290	610	568	1210	1550	1240	315	477
2....	382	470	470	442	290	590	519	1330	1770	1090	610	428
3....	382	491	449	400	270	520	505	1380	2060	930	3050	400
4....	382	491	410	352	260	520	505	1420	1330	850	890	382
5....	394	491	340	263	250	530	540	1450	1510	762	682	364
6....	394	491	210	258	240	490	554	1570	1380	699	940	358
7....	400	484	*160	270	240	414	561	1320	1290	658	850	346
8....	407	470	150	260	250	435	589	1280	1270	596	674	340
9....	414	498	190	250	280	717	618	1110	1280	547	658	335
10....	414	456	407	240	250	910	603	1060	1390	512	618	325
11....	435	414	484	240	270	850	547	960	1540	477	618	310
12....	498	421	442	260	*280	666	491	860	1630	442	618	305
13....	435	400	400	300	280	554	449	800	1610	428	610	300
14....	970	435	352	370	290	547	435	762	1500	407	575	295
15....	726	449	376	410	310	634	442	744	1410	376	498	290
16....	540	484	370	*430	360	561	477	735	1310	388	477	290
17....	484	491	370	420	410	435	512	735	1290	421	547	290
18....	470	477	358	380	491	407	568	717	1210	394	840	290
19....	470	463	382	340	519	400	626	658	1240	346	1070	281
20....	463	470	376	330	561	394	658	603	1320	330	1040	286
21....	463	470	358	330	699	382	726	561	1360	346	1735	290
22....	470	442	358	360	820	382	800	519	1490	352	596	281
23....	470	407	370	380	870	388	890	505	1520	435	547	276
24....	456	400	400	410	950	435	940	484	1550	388	610	272
25....	463	498	484	450	726	512	1000	491	1570	346	505	272
26....	463	470	400	460	589	540	1050	554	1510	335	512	276
27....	456	442	364	400	554	561	1080	650	1480	325	512	310
28....	456	428	305	370	526	561	1000	717	1350	320	477	526
29....	491	470	352	340	....	575	950	780	1290	295	456	388
30....	484	463	463	310	....	582	1050	1000	1440	290	519	428
31....	491	....	414	290	....	582	....	1280	....	290	658	....
Total	14611	13820	11420	10715	12135	16684	20253	28245	43950	15615	22307	10011
Mean.	471	461	368	346	433	538	675	911	1465	504	720	334
Max.	970	498	484	460	950	910	1080	1570	2060	1240	3050	526
Min.	382	400	150	240	240	382	435	484	1210	290	315	272
Ac.-ft.	28980	27410	22650	21250	24070	33090	40170	56020	87170	30970	44250	19860

Total run-off for period=435,900 acre-feet.

*Winter discharge measurement made on this day.

Discharge of White River Near Watson, Utah, for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	320	449	364	325	340	470	432	648	2400	1310	345	251
2....	310	442	370	428	340	480	456	548	2390	1230	320	251
3....	281	407	376	330	350	520	449	548	2460	1170	315	246
4....	276	376	370	263	330	500	432	548	2430	1160	310	256
5....	276	394	376	335	360	480	504	520	2170	1090	305	246
6....	272	407	376	352	350	430	532	482	1870	1010	300	242
7....	268	407	388	352	380	420	548	498	1680	890	310	251
8....	263	388	394	258	410	420	554	570	1580	766	310	246
9....	258	364	358	270	410	470	542	648	1690	708	310	242
10....	258	358	376	290	*380	540	520	750	1600	642	355	238
11....	290	394	346	290	330	590	510	940	1880	618	320	238
12....	491	388	364	260	350	650	498	1170	2050	600	300	238
13....	376	388	340	260	330	700	488	1400	2130	559	292	246
14....	358	388	340	260	350	740	488	1670	2040	537	296	246
15....	358	382	346	270	360	780	504	1840	1940	515	292	246
16....	358	382	364	270	340	806	504	2330	1900	504	296	246
17....	352	376	364	*270	360	684	498	2360	1910	476	296	251
18....	352	376	370	280	370	630	454	2660	1840	471	300	264
19....	388	376	358	300	380	576	444	2090	1670	438	300	269
20....	394	382	376	320	370	570	427	1840	1600	438	305	274
21....	394	376	435	320	370	504	422	1680	1680	449	296	264
22....	400	382	414	320	370	449	410	1720	1800	444	292	256
23....	388	400	370	320	380	460	405	1740	1840	449	274	256
24....	382	414	358	330	400	438	395	2170	1730	482	278	264
25....	376	388	346	320	440	454	400	2590	1630	714	292	264
26....	370	376	340	300	410	444	422	2530	1730	460	287	274
27....	376	370	330	310	390	416	427	2380	1810	438	300	282
28....	364	340	358	340	410	405	454	2220	1850	400	287	264
29....	364	358	177	320	430	395	559	2040	1570	375	274	260
30....	382	370	132	300	....	395	702	2180	1420	365	256	264
31....	435	....	184	320	....	405	....	2200	....	360	251	....
Total	10730	11598	10760	9483	10790	16221	14380	47510	56290	20068	9264	7635
Mean.	346	387	347	306	372	523	479	1533	1876	647	299	254
Max.	491	449	435	428	440	806	702	2660	2460	1310	355	282
Min.	258	340	132	258	330	395	395	482	1420	360	251	238
Ac.-ft.	21280	23000	21340	18810	21400	32170	28520	94230	111600	39800	18370	15140

Total run-off for period=445,700 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of South Fork of White River Near Buford, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	108	105	90	100	78	94	100	514	996	522	159	123
2....	108	104	94	102	80	78	107	518	1060	466	184	117
3....	108	102	95	100	88	86	117	622	838	424	194	114
4....	110	104	95	88	82	100	124	690	690	385	175	112
5....	108	88	93	93	82	96	128	592	614	355	159	110
6....	108	100	92	97	80	97	134	514	592	332	159	108
7....	108	99	87	93	78	90	142	434	636	311	155	107
8....	110	97	97	87	80	97	140	292	735	298	150	105
9....	108	95	104	96	84	96	124	355	924	285	146	105
10....	108	94	108	100	78	91	119	344	1050	272	142	105
11....	107	92	107	100	76	93	112	338	1070	259	152	104
12....	108	88	102	100	80	90	110	332	956	246	163	102
13....	115	90	100	102	86	91	114	335	816	236	144	102
14....	117	94	104	110	82	94	119	332	730	228	134	100
15....	114	97	104	108	80	91	132	332	694	223	136	99
16....	108	102	102	104	80	90	142	316	708	223	144	97
17....	107	104	104	99	82	87	152	295	748	210	152	96
18....	105	100	102	91	85	90	157	285	870	197	180	97
19....	105	99	99	80	90	105	168	269	933	194	199	100
20....	105	100	100	90	99	87	194	264	1020	197	168	97
21....	104	97	100	105	108	86	210	269	1070	204	148	97
22....	104	96	104	105	99	96	225	269	1080	207	144	97
23....	104	92	107	102	102	94	238	293	1090	192	138	97
24....	104	96	108	100	99	91	280	341	1000	182	140	97
25....	104	98	112	92	97	93	298	445	964	182	144	96
26....	99	94	105	88	88	91	295	537	884	168	132	97
27....	97	92	102	85	99	88	280	564	820	163	124	119
28....	100	96	107	96	96	91	285	726	686	161	121	108
29....	104	90	108	94	....	102	338	861	584	166	117	108
30....	100	94	104	92	....	105	428	978	592	168	130	108
31....	100	....	100	90	....	102	....	1150	....	168	130	....
Total	3295	2899	3136	2989	2438	2882	5512	14506	25450	7824	4663	3124
Mean.	106	96.6	101	96.4	87.1	93.0	184	468	848	252	150	104
Max..	117	105	112	110	108	105	428	1150	1090	522	199	123
Min..	97	88	87	80	76	78	100	264	584	161	117	96
Acre-ft.	6540	5750	6220	5930	4840	5720	10930	28770	50480	15520	9250	6200

Total run-off for period=156,200 acre-feet.

Discharge of South Fork of White River Near Buford, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	106	108	80	87	92	84	89	96	1300	734	163	112
2....	108	96	88	83	90	86	88	101	1410	665	163	112
3....	106	119	85	90	87	88	90	94	1240	660	161	111
4....	106	114	89	90	93	90	94	94	992	645	155	111
5....	106	106	87	84	89	90	99	101	788	565	151	108
6....	106	99	90	87	89	88	101	116	685	502	149	108
7....	106	99	90	90	89	86	98	139	728	442	151	106
8....	105	88	90	88	90	84	99	151	752	402	147	105
9....	105	96	90	84	90	90	99	176	938	366	147	105
10....	105	105	90	88	84	90	94	220	1290	349	147	105
11....	108	100	86	92	76	90	99	224	1510	334	141	105
12....	119	100	82	88	86	90	108	235	1600	304	137	104
13....	112	98	84	84	87	94	111	298	1440	284	135	102
14....	117	96	88	84	88	100	97	358	1560	270	131	102
15....	116	94	86	94	85	96	94	470	1430	260	135	105
16....	114	97	86	98	84	88	90	570	1550	250	135	104
17....	112	108	87	94	87	90	92	580	1330	235	131	102
18....	108	94	87	94	88	93	87	406	1250	227	128	102
19....	116	94	92	*94	87	87	90	349	1350	224	133	101
20....	112	94	90	94	87	96	90	340	1570	229	131	99
21....	110	93	90	92	89	94	89	358	1680	220	128	98
22....	111	94	88	96	89	88	88	430	1620	218	126	97
23....	110	94	88	96	89	93	85	605	1410	211	122	97
24....	106	94	86	94	89	92	89	776	1400	216	124	97
25....	110	93	84	90	88	86	90	746	1520	222	139	97
26....	110	80	90	84	86	93	92	758	1480	200	124	97
27....	110	75	86	90	87	89	93	782	1240	189	121	97
28....	112	79	87	92	86	82	99	818	986	183	117	97
29....	121	78	86	92	86	92	96	926	950	178	116	98
30....	117	74	90	88	....	93	94	1080	854	174	116	101
31....	111	....	92	90	....	90	....	1230	....	170	114	....
Total	3421	2859	2714	2791	2537	2792	2824	13627	37853	10128	4218	3085
Mean.	110	95.3	87.5	90.0	87.5	90.1	94.1	440	1262	327	136	103
Max..	121	119	92	98	93	100	111	1230	1680	734	163	112
Min..	105	74	80	83	76	82	85	94	685	170	114	97
Acre-ft.	6790	5670	5380	5540	5030	5540	5600	27030	75080	20090	8370	6120

Total run-off for period=176,200 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Piceance Creek Near Rio Blanco, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	5.9	5.5	2.5	2.2	1.6	4.9	12	1.6	1.8	0.7	0.8	0.9
2....	5.5	5.2	2.5	2.2	1.6	3.7	11	1.6	4.9	0.7	0.8	0.9
3....	5.5	4.9	2.5	2.0	1.4	3.4	8.5	1.4	4.6	0.6	5.9	0.9
4....	5.9	4.9	2.5	2.0	1.4	2.5	5.9	1.9	2.2	0.8	1.4	0.9
5....	5.5	4.9	2.2	2.0	1.4	1.4	4.6	1.8	2.0	0.7	1.4	0.8
6....	5.5	5.2	1.9	2.0	1.4	2.2	3.7	1.8	1.9	0.7	1.4	0.8
7....	4.9	5.2	2.0	2.0	1.4	4.3	4.9	1.9	1.8	0.7	2.2	0.8
8....	4.9	5.2	2.0	2.0	1.4	8.2	6.3	2.2	1.6	0.5	0.5	0.8
9....	4.9	5.5	2.0	2.0	1.4	11	4.3	2.5	1.2	0.5	0.6	0.8
10....	4.9	5.2	2.2	1.9	1.4	16	4.0	1.9	0.9	0.6	0.1	0.8
11....	4.9	5.2	2.2	1.4	1.4	17	2.4	2.0	0.9	0.9	21	0.8
12....	4.9	4.6	1.9	1.4	1.4	23	2.4	2.0	0.9	0.8	8.9	0.8
13....	6.6	3.1	2.2	1.4	1.4	27	2.2	2.0	0.9	0.8	0.8	0.8
14....	8.2	4.0	2.2	1.3	1.4	25	2.0	2.0	0.9	0.8	0.8	0.8
15....	7.0	4.0	2.2	1.3	1.3	16	2.2	2.0	0.9	0.8	0.7	0.8
16....	7.0	3.4	2.2	1.3	1.4	9.7	2.0	2.0	1.0	0.8	0.7	0.8
17....	6.6	3.4	2.2	1.3	3.1	8.5	2.2	1.9	1.0	0.8	36	0.5
18....	5.9	3.4	2.0	1.3	3.7	4.3	2.5	2.0	1.0	0.8	20	0.5
19....	7.8	3.4	2.0	1.2	5.5	3.1	2.0	2.0	1.0	0.8	69	0.4
20....	9.3	3.1	2.2	1.2	6.3	2.4	1.6	2.0	0.8	0.8	8.5	0.3
21....	9.3	2.8	2.2	1.2	5.9	2.0	1.4	2.0	0.7	0.8	1.6	0.3
22....	9.3	2.8	2.2	1.3	2.2	2.4	1.4	2.0	0.8	0.8	1.3	0.4
23....	8.5	2.8	2.2	1.4	20	2.4	1.2	1.8	0.8	0.8	1.2	0.6
24....	5.2	2.8	2.2	1.4	12	15	1.3	1.8	0.8	0.8	1.2	0.6
25....	5.5	2.8	2.2	1.4	8.2	25	1.6	1.8	0.8	0.8	1.2	0.6
26....	5.5	2.8	2.2	1.4	9.3	45	1.3	1.8	0.8	0.8	1.0	0.6
27....	5.5	2.8	2.0	1.4	7.0	63	1.3	1.8	0.8	0.8	0.9	0.6
28....	5.5	2.8	2.2	1.4	7.8	62	1.4	1.8	0.8	0.8	0.9	0.6
29....	5.5	2.8	2.4	1.4	....	40	1.4	1.8	0.7	0.8	0.9	0.6
30....	5.5	2.8	2.2	1.4	....	30	1.4	1.8	0.7	0.8	1.0	0.6
31....	5.5	....	2.2	1.4	....	12	....	1.8	....	0.8	0.9	....
Total	192.4	117.3	67.8	48.5	133.5	492.4	100.4	58.7	39.9	23.4	213.4	20.4
Mean.	6.21	3.91	2.19	1.56	4.77	15.9	3.35	1.89	1.33	.75	6.88	.68
Max.	9.3	5.5	2.5	2.2	22	63	12	2.5	4.9	0.9	69	0.9
Min.	4.9	2.8	1.9	1.2	1.3	1.4	1.2	1.4	0.7	0.5	0.1	0.3
Acre-ft.	382	233	134	96	265	977	199	116	79	46	423	40

Total run-off for period=2,990 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

SAN JUAN RIVER BASIN

SAN JUAN RIVER NEAR PAGOSA SPRINGS, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ Sec. 12, T. 36 N., R. 1 W., $\frac{1}{4}$ mile upstream from private highway bridge, $\frac{1}{2}$ mile upstream from West Fork of San Juan River, and $9\frac{1}{2}$ miles northeast of Pagosa Springs.

Drainage Area—86.9 square miles. Zero of gage is 7,597.63 feet above mean sea level, datum of 1929.

Records Available—May, 1935 to September 30, 1944.

Maximum discharge during period 1935-1944; 2,070 second feet, May 12, 1941, from rating curve extended above 1,300 second feet. Gage height 4.84 feet. Greatest known flood occurred October 5, 1911. (Discharge not determined.)

Maximum Discharge—Year 1943; 830 second feet June 30. Gage height 3.30 feet.

Maximum Discharge—Year 1944; 1,410 second feet May 16. Gage height 3.84 feet.

Accuracy—Records considered good. Ice effect periods occurred November 21, 1942 to March 10, 1943, November 28, 1943 to January 10, 1944, February 11-15, 1944. Discharge computed on basis of discharge measurements and weather records, and are fair.

Diversions for irrigation above station.

SAN JUAN RIVER AT PAGOSA SPRINGS, COLORADO

Location—Water stage recorder in S $\frac{1}{2}$ Sec. 13, T. 35 N., R. 2 W., under lower highway bridge at Pagosa Springs.

Drainage Area—298 square miles. Zero of gage is 7,052.04 feet above mean sea level, datum of 1929.

Records Available—January, 1911 to November, 1914, May, 1935 to September 30, 1944.

Maximum discharge during period 1911-1914, 1935-1944; 5,790 second feet May 13, 1941, from rating curve extended above 4,500 second feet. Gage height 7.92 feet. Maximum stage known, 17.8 feet, October 5, 1911, discharge about 25,000 second feet.

Maximum Discharge—Year 1943; 2,200 second feet May 1. Gage height 5.60 feet.

Maximum Discharge—Year 1944; 4,540 second feet May 16. Gage height 7.17 feet.

Accuracy—Records considered good.

Diversions for irrigation above station.

SAN JUAN RIVER AT ROSA, NEW MEXICO

Location—Water stage recorder in Sec. 20, T. 32 N., R. 5 W., 75 feet upstream from highway bridge, $\frac{1}{4}$ mile downstream from Piedra River, and 1 mile north of Rosa. From 1895 to 1899, and August 21, 1910 to September 30, 1920, a station was maintained at Arboles. For this period the San Juan River at Arboles plus the Piedra River at Arboles, gives the total flow of the San Juan at Rosa.

Drainage Area—1,990 square miles.

Records Available—October 1, 1920 to September 30, 1944.

Maximum discharge during period 1930-1944; 17,200 second feet April 23, 1942, from rating curve extended above 10,200 second feet. Gage height 8.50 feet.

Maximum Discharge—Year 1943; 4,920 second feet June 30. Gage height 5.18 feet.

Maximum Discharge—Year 1944; 9,080 second feet May 15. Gage height 6.86 feet.

Accuracy—Records considered good except those for period of ice effect, December 8-11, 21-23, December 28, 1942 to January 22, 1943, February 5-7, 10-13, November 30, December 5, 13, 18, 19, December 26, 1943 to February 23, 1944, and for periods of missing gage heights July 11 to 20 and July 31 to August 4, 1944, which were computed on basis of weather records and records for stations at Pagosa Springs and Farmington, and are fair.

Diversions for irrigation above station.

WEST FORK OF SAN JUAN RIVER ABOVE BORNS LAKE
NEAR PAGOSA SPRINGS, COLORADO

Location—Water stage recorder in Sec. 36, T. 38 N., R. 1 W., $\frac{1}{2}$ mile downstream from Beaver Creek, $1\frac{1}{2}$ miles upstream from Borns Lake, and 16 miles northeast of Pagosa Springs.

Drainage Area—41.2 square miles. Zero of gage is 7,605.57 feet above mean sea level, datum of 1929.

Records Available—April, 1937 to September 30, 1944.

Maximum discharge during period 1937-1944; 1,190 second feet June 11, 1942, from rating curve extended above 600 second feet. Gage height 4.25 feet.

Maximum Discharge—Year 1943; 585 second feet April 30. Gage height 3.55 feet.

Maximum Discharge—Year 1944; 825 second feet June 10. Gage height 4.35 feet.

Accuracy—Records considered excellent except those above 25 second feet and for periods of ice effect, December 7-8, 1942, January 1, 1943 to March 13, 1943 and February 3, 1944 to April 14, 1944, which were computed on basis of discharge measurements and records for San Juan at Pagosa Springs. During period of no gage height, August 4-12, 1943, records computed on basis of station at Pagosa Springs, and are fair.

No diversions or regulations above station.

WEST FORK OF SAN JUAN RIVER NEAR PAGOSA SPRINGS, COLORADO

Location—Water stage recorder in the NE $\frac{1}{4}$ Sec. 12, T. 36 N., R. 1 W., 30 feet downstream from highway bridge, 0.6 of a mile upstream from mouth, and 10 miles northeast of Pagosa Springs.

Drainage Area—87.9 square miles. Zero of gage is 7,607.42 feet above mean sea level, adjustment of 1912.

Records Available—April 26, 1935 to September 30, 1944.

Maximum discharge during period 1935-1944; 2,300 second feet June 23, 1941, from rating curve extended above 1,300 second feet. Gage height 5.83 feet.

Maximum Discharge—Year 1943; 878 second feet May 1. Gage height 3.41 feet.

Maximum Discharge—Year 1944; 1,680 second feet June 21. Gage height 5.00 feet.

Accuracy—Records considered fair except those for period of no gage height and of ice effect, November 21-25, December 1, 2, December 5, 1942 to March 10, 1943, October 7-11, 16-18, November 12, 1943 to March 29, 1944, August 22 to September 30, 1944, which were computed on basis of discharge measurements and weather records.

Diversions for irrigation above station.

TURKEY CREEK NEAR PAGOSA SPRINGS, COLORADO

Location—Water stage recorder at west side of Sec. 10, T. 36 N., R. 1 W., 2 $\frac{1}{4}$ miles upstream from mouth and 8 miles northeast of Pagosa Springs.

Drainage Area—23.0 square miles.

Records Available—May 1, 1937 to September 30, 1944.

Maximum discharge during period 1937-1944; 860 second feet May 12, 1941, from rating curve extended above 550 second feet. Gage height 3.73 feet.

Maximum Discharge—Year 1943; 260 second feet May 1. Gage height 2.45 feet.

Maximum Discharge—Year 1944; 452 second feet May 14. Gage height 2.97 feet.

Accuracy—Records considered good above 15 second feet and fair below. Ice effect period during November 21, 1942 to March 10, 1943, November 7-11, 16, 17, 27-30, 1943, December 1-13, 17-19, 30, to April 3, 1944.

Diversions for irrigation above station. Most of water is diverted from drainage basin above station during the irrigation season.

RIO BLANCO NEAR PAGOSA SPRINGS COLORADO

Location—Water stage recorder in center of Sec. 1, T. 34 N., R. 1 E., at highway bridge 0.3 mile upstream from Leche Creek, and $12\frac{1}{2}$ miles southeast of Pagosa Springs.

Drainage Area—58.0 square miles.

Records Available—May 24, 1935 to September 30, 1943.

Maximum discharge during period 1935-1943; 1,490 second feet October 12, 1942, from rating curve extended above 450 second feet. Gage height 3.32 feet.

Maximum Discharge—Year 1943; 1,270 second feet June 30, from rating curve extended above 450 second feet. Gage height 3.84 feet.

Accuracy—Records considered poor. During periods of no gage height record, October 1-12, 15-19, 24-31, November 10 to December 8, December 15, 1942 to January 15, January 19 to February 14, 1943 and ice effect period, December 9-14, 1942, January 16-18, February 15 to March 17, 19-22, 1943, discharge computed on basis of records for San Juan at Pagosa Springs.

Station was moved in fall of 1943 and discharge record for year 1944 not computed. Records will be available for publication next year.

Diversions for irrigation above station.

RITO BLANCO NEAR PAGOSA SPRINGS, COLORADO

Location—Water stage recorder in SW $\frac{1}{4}$ Sec. 12, T. 34 N., R. 1 W., at road crossing 600 feet upstream from Sheep Cabin Creek, and $7\frac{3}{4}$ miles southeast of Pagosa Springs. Prior to June 20, 1941, recorder at site 100 feet downstream at datum 2.00 feet lower.

Drainage Area—23.3 square miles.

Records Available—May 1, 1935 to September 30, 1944.

Maximum discharge during period 1935-1944; 475 second feet May 13, 1941, from rating curve extended above 350 second feet, site and datum then in use. Gage height 3.21 feet.

Maximum Discharge—Year 1943; 108 second feet June 30. Gage height 2.37 feet.

Maximum Discharge—Year 1944; 290 second feet May 14. Gage height 2.90 feet.

Accuracy—Records considered fair. Those for periods of no gage height record and period of ice effect, November 4, 1942 to March 11, 1943 and November 28, 1943 to February 11, April 11-16, 1944, were computed on basis of discharge measurements, weather records, and records for nearby stations.

Diversions for irrigation above station.

NAVAJO RIVER AT BANDED PEAK RANCH NEAR CHROMO, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 24, T. 33 N., R. 2 E., on Banded Peak Ranch $\frac{1}{2}$ mile downstream from Aspen Creek, and 9 miles northeast of Chromo.

Drainage Area—69.8 square miles.

Records Available—April 1, 1937 to September 30, 1944.

Maximum discharge during period 1937-1944; 1,340 second feet May 13, 1941. Gage height 4.02 feet.

Maximum Discharge—Year 1943; 630 second feet June 30. Gage height 2.70 feet.

Maximum Discharge—Year 1944; 773 second feet May 15. Gage height 2.78 feet.

Accuracy—Records considered good except those for period October 1 to November 2, 1942, March 1 to April 15, August 27 to September 16, 1943, October 27 to November 1, November 30, 1943 to April 23, 1944, which were computed on basis of discharge measurements, weather records, and records for nearby stations, and are fair.

No diversions or regulations above station.

NAVAJO RIVER AT EDITH, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 24, T. 32 N., R. 1 W., 340 feet downstream from highway bridge at Colorado-New Mexico State line $\frac{1}{4}$ mile east of Edith, and 1 mile upstream from Coyote Creek. Prior to June 27, 1941, water stage recorder at site 250 feet upstream and at datum 2.00 feet higher.

Drainage Area—165 square miles. Zero of gage is 7,033.00 feet above mean sea level (Bureau of Reclamation bench mark).

Records Available—September, 1912 to December, 1928, June, 1935 to September 30, 1944.

Maximum discharge during period 1935-1944; 2,840 second feet April 23, 1942, from rating curve extended above 2,200 second feet. Gage height 6.55 feet.

Maximum Discharge—Year 1943; 714 second feet May 3. Gage height 4.09 feet.

Maximum Discharge—Year 1944; 956 second feet May 15. Gage height 4.54 feet.

Accuracy—Records considered excellent except those for periods of ice effect, December 7, 1942 to March 10, 1943 and November 29, 1943 to March 19, 1944, which were computed on basis of discharge measurements, weather records, and record for San Juan River at Pagosa Springs, and are fair.

Diversions for irrigation above station.

LITTLE NAVAJO RIVER AT CHROMO, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ Sec. 4, T. 32 N., R. 1 E., at highway bridge at Chromo, $\frac{1}{4}$ mile upstream from mouth.

Drainage Area—21.9 square miles. Zero of gage is 7,288.52 feet above mean sea level, datum of 1929.

Records Available—May 28, 1935 to September 30, 1944.

Maximum discharge during period 1935-1944; 399 second feet, May 14, 1941, from rating curve extended above 250 second feet. Gage height 4.32 feet, site then in use.

Maximum Discharge—Year 1943; 128 second feet April 23. Gage height 3.75 feet.

Maximum Discharge—Year 1944; 123 second feet May 5. Gage height 3.72 feet.

Accuracy—Records considered fair. Discharge computed during periods of missing gage heights and ice effect, October 18-24, November 13-17, December 6-8, 11-15, December 26, 1942 to March 11, 1943, April 17-22 and November 21-30, December 1, 3-6, 11-20, 25-26, 29-31, January 1, 1944 to April 4, 1944, on basis of discharge measurements and weather records.

Diversions for irrigation above station.

PIEDRA RIVER NEAR PIEDRA, COLORADO

Location—Water stage recorder in Sec. 8, T. 34 N., R. 4 W., at bridge on U. S. Highway 450, $\frac{3}{4}$ mile upstream from Yellow Jacket Creek, and $1\frac{1}{2}$ miles north of Piedra.

Drainage Area—371 square miles.

Records Available—November, 1911 to July, 1912, October, 1939 to September 30, 1944.

Maximum discharge during period 1911-1912, 1939-1944; 5,400 second feet May 13, 1941, from rating curve extended above 3,040 second feet. Gage height 8.00 feet from high water marks, present site and datum.

Maximum Discharge—Year 1943; 1,770 second feet May 1. Gage height 4.98 feet.

Maximum Discharge—Year 1944; 4,810 second feet May 15. Gage height 6.82 feet.

Accuracy—Records considered excellent except those for period January 1 to July 1, 1943, and during period of ice effect, January 1-3, 5-20, 1944, which were computed on basis of discharge measurements, weather records, and record of San Juan River at Pagosa Springs, and are fair.

Diversions for irrigation above station.

PINE, OR LOS PINOS, RIVER NEAR BAYFIELD, COLORADO

Location—Water stage recorder in Sec. 26, T. 36 N., R. 7 W., $\frac{1}{4}$ mile downstream from Red Creek, $\frac{3}{4}$ mile downstream from Vallecitos Reservoir and 9 miles north of Bayfield.

Drainage Area—284 square miles. Zero of gage is 7,415.08 feet above mean sea level, adjustment of 1912.

Records Available—October 26, 1927 to September 30, 1944.

Maximum mean daily discharge during period 1927-1944; 5,070 second feet May 26, 1926. (Greatest known flood occurred October 5, 1911, discharge not determined.)

Maximum Discharge—Year 1943; 1,290 second feet May 7. Gage height 3.79 feet.

Maximum Discharge—Year 1944; 2,420 second feet June 17. Gage height 4.82 feet.

Accuracy—Records considered excellent except those during period of missing gage height, October 1 to 31, 1942, March 1 to April 12, 1943, which are good.

Diversions for irrigation above station. Vallecitos Reservoir, three-fourths mile upstream, capacity 129,700 acre feet, regulate discharge.

PINE, OR LOS PINOS, RIVER AT IGNACIO, COLORADO

Location—Water stage recorder in Sec. 5, T. 33 N., R. 7 W., $\frac{3}{4}$ mile upstream from Ignacio and about 2 miles upstream from Rock Creek.

Drainage Area—448 square miles.

Records Available—April 22, 1899 to October 31, 1903, September 1, 1910 to November 30, 1912, March 10, 1913 to September 30, 1944.

Maximum discharge during period 1910-1914, 1930-1944; 5,570 second feet August 27, 1932, from rating curve extended above 2,600 second feet by logarithmic plotting. Gage height 6.19 feet.

Maximum Discharge—Year 1943; 1,210 second feet April 24. Gage height 3.58 feet.

Maximum Discharge—Year 1944; 2,140 second feet May 19. Gage height 4.88 feet.

Accuracy—Records considered good except those for periods of ice effect, December 7-23, 1942, December 26, 1942 to February 15, 1943, November 7-15, 1943, January 6 to February 3, 1944, which were computed on basis of weather records and records of station near Bayfield, and are fair.

Diversions for irrigation above station and flow regulated by Vallecitos Reservoir.

ANIMAS RIVER AT HOWARDSVILLE, COLORADO

Location—Water stage recorder in Sec. 12, T. 41 N., R. 7 W., 0.4 mile southwest of Howardsville, and $\frac{1}{2}$ mile downstream from Cunningham Creek.

Drainage Area—55.9 square miles. Zero of gage is 9,616.98 feet above mean sea level, adjustment of 1912.

Records Available—May 1, 1936 to September 30, 1944.

Maximum discharge during period 1936-1944; 1,700 second feet June 21, 1938, from rating curve extended above 800 second feet. Gage height 4.50 feet.

Maximum Discharge—Year 1943; 694 second feet June 1. Gage height 3.02 feet.

Maximum Discharge—Year 1944; 1,120 second feet June 24. Gage height 3.68 feet.

Accuracy—Records considered excellent except those for periods of ice effect, October 1, 1942 to March 30, 1943 and January 15, 1944 to March 9, 1944, which are good.

No diversions above station.

ANIMAS RIVER AT DURANGO, COLORADO

Location—Water stage recorder in Sec. 20, T. 35 N., R. 9 W., at Western Colorado Power Company's plant at Durango, $\frac{1}{2}$ mile upstream from Lightner Creek.

Drainage Area—692 square miles. Zero of gage is 6,503.28 feet above mean sea level, datum of 1929.

Records Available—June 20, 1895 to December 31, 1905, January 1, 1910 to September 30, 1944.

Maximum discharge during period 1895-1905, 1910-1944; 25,000 second feet October 5, 1911, from rating curve extended above 7,000 second feet. Gage height 11.00 feet.

Maximum Discharge—Year 1943; 3,940 second feet May 3. Gage height 4.62 feet.

Maximum Discharge—Year 1944; 6,990 second feet May 16. Gage height 6.04 feet.

Accuracy—Records considered excellent except those for 1943 of ice effect, January 19, 24-27, February 3, 6-7, 9, 11-14, 1943 and period of missing gage height, August 29 to September 9, 1944, which are good.

Diversions for irrigation above station. Regulation of flow for power and by numerous lakes.

MINERAL CREEK NEAR SILVERTON, COLORADO

Location—Water stage recorder in Sec. 13, T. 41 N., R. 8 W., 300 feet upstream from Bear Creek, and 2 miles west of Silverton.

Drainage Area—43.9 square miles. Zero of gage is 9,399.04 feet above mean sea level, datum 1929.

Records Available—May 1, 1936 to September 30, 1944.

Maximum discharge during period 1936-1944; 1,700 second feet June 29, 1938, from rating curve extended above 550 second feet. Gage height 4.69 feet.

Maximum Discharge—Year 1943; 582 second feet June 22. Gage height 3.13 feet.

Maximum Discharge—Year 1944; 930 second feet June 24. Gage height 3.60 feet.

Accuracy—Records considered excellent, except those during periods of ice effect, December 7, 1942 to April 5, 1943, and October 14, 1943 to January 5, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

No diversions above station.

HERMOSA CREEK AT HERMOSA PARK, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ Sec. 26, T. 39 N., R. 10 W., N.M.P.M., $\frac{3}{4}$ mile downstream from forks and 16 miles northwest of Hermosa.

Drainage Area—37.8 square miles. Zero of gage is 8,716.59 feet above mean sea level.

Records Available—October 1, 1940 to November 30, 1942. (Discontinued.)

Maximum discharge during period 1940-1942; 1,210 second feet, May 13, 1941. Gage height 4.16 feet.

Accuracy—Records considered good.

No diversions for irrigation above station.

HERMOSA CREEK NEAR HERMOSA, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 3, T. 36 N., R. 9 W., 1 mile northwest of Hermosa and 2 miles upstream from mouth.

Drainage Area—172 square miles. Zero of gage is 6,705.88 feet above mean sea level, datum of 1929.

Records Available—November, 1911 to June, 1912, April, 1913 to September, 1914, April, 1920 to September, 1928, October, 1940 to September 30, 1944. During periods April, 1920 to September, 1928, water stage recorder, and prior to September, 1914, a staff gage, both at site one-half mile upstream at different datum.

Maximum discharge during period 1920-1928, 1940-1944; 3,040 second feet September 12, 1927, by slope area method. Gage height 8.50 feet from flood marks, site and datum then in use.

Maximum Discharge—Year 1943; 865 second feet May 1. Gage height 3.23 feet.

Maximum Discharge—Year 1944; 2,100 second feet May 15. Gage height 4.40 feet.

Accuracy—Records considered good except those for periods of ice effect, November 11-14, 21-24, 26, 27, 29, December 5-24, December 27, 1942 to January 15, 1943, January 20-31, February 4-14, March 3-6, and November 3-20, 27, December 5, 8, 11, 17-20, 25-27, December 29, 1943 to January 21, 1944, January 26-28, February 10-13, 18-23, 29 to March 1, March 6-9, 1944, which were computed on basis of discharge measurements and weather records, and are fair.

Diversions for irrigation above station.

LIGHTNER CREEK NEAR DURANGO, COLORADO

Location—Water stage recorder in Sec. 30, T. 35 N., R. 9 W., $\frac{1}{2}$ mile upstream from mouth and $\frac{1}{2}$ mile west of Durango.

Drainage Area—66 square miles.

Records Available—July 1, 1927 to September 30, 1944. June, 1927 to September, 1939, at site 2 miles upstream. All records equivalent.

Maximum discharge during period 1927-1944; 2,500 second feet October 25, 1941, from rating curve extended above 690 second feet on basis of slope area determination at 1,800 second feet. Gage height 5.90 feet.

Maximum Discharge—Year 1943; 219 second feet April 5. Gage height 2.63 feet.

Maximum Discharge—Year 1944; 1,250 second feet July 20, by slope area method. Gage height 4.35 feet.

Accuracy—Records considered good except those for periods of ice effect, December 8, 1942 to March 15, 1943, and December 18, 1943 to March 9, 1944, which were computed on basis of discharge measurements, weather records, and are fair.

Diversions for irrigation above station.

FLORIDA RIVER NEAR DURANGO, COLORADO

Location—Water stage recorder in NE $\frac{1}{4}$ Sec. 4, T. 35 N., R. 8 W., just downstream from Red Creek and 9 miles (revised) northeast of Durango.

Drainage Area—96 square miles. Zero of gage is 7,303.58 feet above mean sea level, datum of 1929.

Records Available—May 21 to July 31, 1899, April 1, 1901 to October 5, 1903, September 8, 1910 to September 10, 1924, April 1, 1927 to September 30, 1944. During period of record this station has been located at several different sites in same vicinity. All records are comparable.

Maximum discharge during period 1899, 1901-1903, 1910-1924, 1927-1944; 4,640 second feet June 28, 1927. Gage height 4.50 feet, former site and datum. Greatest flood known occurred October 5, 1911, discharge not determined.

Maximum Discharge—Year 1943; 756 second feet May 1. Gage height 3.12 feet.

Maximum Discharge—Year 1944; 1,110 second feet June 10. Gage height 3.84 feet.

Accuracy—Records considered good above 15 second feet and fair below. Periods of ice effect, December 6, 1942 to March 23, 1943, December 7, 1943 to March 25, 1944, were computed on basis of discharge measurements and records for Animas River at Durango.

Diversions for irrigation above station.

LA PLATA RIVER AT HESPERUS, COLORADO

Location—Water stage recorder in Sec. 14, T. 35 N., R. 11 W., at weir $\frac{1}{8}$ mile west of Hesperus.

Drainage Area—37.0 square miles. Zero of gage is 8,105.65 feet above mean sea level, datum of 1929. Datum lowered one foot October 1, 1941.

Records Available—June 15 to August 11, 1904, April 1, 1906 to August 11, 1908, August 24 to December 31, 1910, May 25, 1917 to September 30, 1944.

Maximum discharge during period 1904, 1906, 1910, 1917-1944; 1,880 second feet September 22, 1941, by slope area method. Gage height 3.30 feet.

Maximum Discharge—Year 1943; 584 second feet May 1. Gage height 2.58 feet.

Maximum Discharge—Year 1944; 891 second feet May 15. Gage height 3.10 feet.

Accuracy—Records considered good except those for periods of missing gage heights and of ice effect, December 1, 1942 to March 28, 1943, October 17-21, December 11-13, December 17, 1943 to March 27, 1944, May 20-22, 1944, which were computed on basis of discharge measurements, weather records, and are fair.

Diversions for irrigation above station.

LA PLATA RIVER AT COLORADO-NEW MEXICO STATE LINE

Location—Water stage recorder at masonry control in Sec. 10, T. 32 N., R. 13 W., 300 feet south of Colorado-New Mexico State line at Hill Ranch, and 3 miles north of Pendleton, New Mexico.

Drainage Area—331 square miles. Zero of gage is 5,975.15 feet above mean sea level, datum of 1929.

Records Available—February 19, 1920 to September 30, 1944.

Maximum discharge during period 1920-1944; 4,750 second feet August 24, 1927. Gage height 11.36 feet.

Maximum Discharge—Year 1943; 312 second feet April 24. Gage height 2.60 feet.

Maximum Discharge—Year 1944; 558 second feet May 16. Gage height 3.54 feet.

Accuracy—Records considered good except those for period of ice effect, November 30, 1943 to December 5, 18, 1943, January 4 to February 1, 4, 1944, and during period of no gage heights, January 19-23, 1943, March 29-April 2, which were computed from discharge measurements, records at Hesperus and Cherry Creek near Red Mesa, and are fair.

Diversions for irrigation above station.

CHERRY CREEK NEAR RED MESA, COLORADO

Location—Water stage recorder in Sec. 7, T. 33 N., R. 12 W., $\frac{1}{4}$ mile upstream from mouth and 2 miles northwest of Red Mesa.

Drainage Area—66 square miles. Zero of gage is 6,466.46 feet above mean sea level, adjustment of 1912.

Records Available—March 21, 1928 to September 30, 1944.

Maximum discharge during period 1928-1944; 1,480 second feet August 25, 1940, site and datum then in use, from rating curve extended above 800 second feet on basis of slope area measurement. Gage height 5.90 feet.

Maximum Discharge—Year 1943; 93 second feet May 4. Gage height 2.80 feet.

Maximum Discharge—Year 1944; 134 second feet May 16. Gage height 3.10 feet.

Accuracy—Records considered fair except those for period of no gage height, which are poor.

Diversions for irrigation above station.

EAST MANCOS RIVER NEAR MANCOS, COLORADO

Location—Water stage recorder in NE $\frac{1}{4}$ Sec. 24, T. 36 N., R. 13 W., 800 feet upstream from mouth and 4 miles northeast of Mancos.

Drainage Area—11.1 square miles.

Records Available—March 1, 1938 to September 30, 1944.

Maximum discharge during period 1938-1944; 642 second feet May 8, 1941, from rating curve extended above 130 second feet. Gage height 2.67 feet.

Maximum Discharge—Year 1943; 111 second feet May 3. Gage height 1.38 feet.

Maximum Discharge—Year 1944; 128 second feet May 15. Gage height 1.37 feet.

Accuracy—Records considered good, except those below 5 second feet, which are fair.

Diversions for irrigation above station.

MIDDLE MANCOS RIVER NEAR MANCOS, COLORADO

Location—Water stage recorder in SE $\frac{1}{4}$ Sec. 13, T. 36 N., R. 13 W., 1,300 feet upstream from East Mancos River, and 4 miles northeast of Mancos on road to Red Arrow Mine.

Drainage Area—13.7 square miles.

Records Available—March 1, 1938 to September 30, 1944.

Maximum discharge during period 1938-1944; 233 second feet May 14, 1941, from rating curve extended above 170 second feet. Gage height 4.08 feet, site and datum then in use.

Maximum Discharge—Year 1943; 151 second feet May 4. Gage height 2.52 feet.

Maximum Discharge—Year 1944; 297 second feet May 15. Gage height 2.38 feet.

Accuracy—Records considered good above 10 second feet and fair below. No gage height records, October 12-16, November 4-24, 1942 and March 23-29, 1943, October 28-29, November 7-13, 18-30, 1943, which were estimated and are fair.

Diversions for irrigation above station.

WEST MANCOS RIVER NEAR MANCOS, COLORADO

Location—Water stage recorder in Sec. 14, T. 36 N., R. 13 W., 1 $\frac{1}{2}$ miles upstream from confluence with Middle Mancos River and 3 $\frac{1}{2}$ miles northeast of Mancos.

Drainage Area—42.1 square miles. Zero of gage is 7,458.54 feet above mean sea level.

Records Available—April 26, 1938 to September 30, 1944.

Maximum discharge during period 1938-1944; 1,080 second feet May 13, 1941, from rating curve extended above 260 second feet. Gage height 4.55 feet.

Maximum Discharge—Year 1943; 429 second feet May 4, from rating curve extended above 280 second feet. Gage height 3.46 feet.

Maximum Discharge—Year 1944; 862 second feet May 15. Gage height 4.00 feet.

Accuracy—Records considered good, except those for period of no gage heights and of ice effect, November 25-30, 1942, October 27-29, November 7-8, 28-30, 1943, which were estimated, and are fair.

Diversions for irrigation above station.

MANCOS RIVER NEAR TOWAOC, COLORADO

Location—Water stage recorder in NW $\frac{1}{4}$ Sec. 18, T. 32 N., R. 17 W., at crossing of U. S. Highway 84, 12 miles south of Towaoc, and 28 miles south of Cortez.

Drainage Area—550 square miles. Zero of gage is 5,051.03 feet above mean sea level, datum of 1929.

Records Available—February, 1921 to September 30, 1943. (Discontinued)

Maximum discharge during period 1921-1943; 5,360 second feet October 14, 1941, by slope area method. Gage height 7.30 feet.

Maximum Discharge—Year 1943; 860 second feet July 31. Gage height 3.10 feet.

Accuracy—Records considered fair.

Diversions for irrigation above station.

McELMO CREEK NEAR CORTEZ, COLORADO

Location—Water stage recorder in NE $\frac{1}{4}$ Sec. 1, T. 35 N., R. 17 W., $\frac{1}{2}$ mile downstream from Alkali Canyon, and 5 miles southwest of Cortez. Prior to September, 1929, water stage recorder at site 3 miles downstream. Records equivalent.

Drainage Area—233 square miles.

Records Available—May, 1926 to September, 1929, October, 1940 to September 30, 1943. (No record for 1944).

Maximum discharge during period 1926-1929, 1940-1944; 4,540 second feet September 22, 1941 by slope area method. Gage height 6.85 feet, from flood marks.

Maximum Discharge—Year 1943; 718 second feet January 22, from rating curve extended above 170 second feet. Gage height 3.45 feet.

Accuracy—Records considered poor.

Diversions for irrigation above station.

Discharge of San Juan River Near Pagosa Springs, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	21	21	22	21	23	21	110	526	434	242	47	53
2....	21	24	22	21	23	21	138	538	495	206	44	50
3....	21	24	22	21	23	21	177	538	384	179	43	42
4....	21	23	22	21	23	21	195	538	311	160	43	38
5....	20	22	22	21	23	21	215	411	274	140	44	34
6....	20	22	22	21	23	21	227	355	278	131	60	32
7....	20	21	22	21	23	21	209	351	303	121	49	29
8....	20	22	22	21	23	21	172	327	335	114	43	27
9....	19	22	22	21	23	21	151	281	355	106	43	30
10....	19	19	22	21	23	21	125	264	359	100	75	28
11....	19	19	22	21	23	22	106	264	367	96	49	25
12....	23	19	22	21	23	23	100	270	327	90	44	23
13....	48	19	22	21	23	24	106	264	284	85	42	23
14....	38	18	22	21	23	24	149	254	254	82	38	24
15....	37	18	22	21	23	23	197	227	257	83	43	23
16....	33	19	22	21	23	24	212	215	260	75	49	22
17....	31	19	22	21	23	30	192	218	260	68	54	22
18....	28	18	22	21	23	22	203	224	274	63	108	22
19....	27	18	22	21	23	23	239	233	278	62	86	21
20....	27	20	22	21	23	24	270	254	281	63	68	19
21....	26	20	22	21	23	24	270	239	281	63	55	18
22....	24	20	22	21	23	19	307	227	274	69	50	18
23....	24	20	22	21	23	19	339	239	260	72	49	17
24....	23	20	22	21	23	19	402	303	248	60	45	18
25....	23	20	22	21	23	24	406	343	233	57	42	18
26....	22	20	22	21	23	32	406	367	224	53	39	22
27....	22	20	22	21	23	45	380	335	206	53	36	25
28....	20	20	22	21	23	60	411	393	209	55	37	28
29....	23	20	22	21	....	88	425	445	227	49	45	25
30....	22	20	22	21	....	102	475	450	422	68	68	26
31....	19	....	22	21	....	90	....	393	....	55	85	....
Total	761	607	682	651	644	971	7314	10286	8950	2920	1623	802
Mean.	24.5	20.2	22	21	23	31.3	244	332	298	94.2	52.4	26.7
Max..	48	24	....	....	....	102	475	538	495	242	108	53
Min..	19	....	....	....	....	....	100	215	206	49	36	17
Acre-ft.	1510	1200	1350	1290	1280	1930	14510	20400	17750	5790	3220	1590

Total run-off for period=71,820 acre feet.

Discharge of San Juan River Near Pagosa Springs, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	22	26	16	14	15	20	38	162	868	400	59	27
2....	22	22	17	15	12	16	38	186	916	373	57	25
3....	22	24	14	16	13	15	57	198	766	367	55	24
4....	21	25	15	15	12	15	114	186	556	346	51	23
5....	19	24	15	14	13	12	182	286	470	425	50	23
6....	19	23	16	17	12	24	206	460	520	435	52	23
7....	18	22	16	17	14	20	246	574	616	355	47	23
8....	19	24	15	15	14	17	230	622	730	328	48	22
9....	18	28	14	15	14	17	214	634	808	337	75	21
10....	17	26	13	17	13	20	136	664	844	294	57	20
11....	18	18	13	14	9.0	21	128	658	832	246	52	20
12....	34	18	13	14	11	24	178	808	706	214	51	19
13....	23	17	14	14	10	20	178	964	670	206	44	18
14....	20	16	15	14	11	18	121	1120	736	194	39	18
15....	19	16	14	14	13	21	88	1180	778	182	38	19
16....	18	16	12	14	16	34	85	1140	760	162	36	20
17....	18	16	14	12	14	27	71	922	682	154	35	18
18....	17	16	15	14	14	24	62	634	676	143	37	18
19....	31	16	16	14	16	24	57	580	676	166	54	18
20....	25	16	16	14	16	22	56	646	694	206	50	17
21....	24	16	16	16	15	21	51	766	760	178	48	16
22....	24	16	15	16	14	21	45	862	730	143	39	18
23....	24	20	14	16	15	20	55	892	658	139	37	17
24....	21	19	13	13	15	22	111	1080	628	132	46	19
25....	22	18	12	12	15	23	125	940	628	118	47	20
26....	22	19	15	16	14	22	114	736	598	101	39	26
27....	22	15	16	16	14	21	182	634	562	92	34	24
28....	25	15	14	18	14	23	198	658	505	80	33	22
29....	57	15	13	16	16	24	154	802	480	78	31	23
30....	43	16	15	14	....	27	139	880	475	73	30	20
31....	33	....	13	12	....	37	....	850	....	67	28	....
Total	737	578	449	458	394.0	672	3659	21724	20328	6704	1399	621
Mean.	23.8	19.3	14.5	14.8	13.6	21.7	122	701	678	216	451	20.7
Max..	57	28	17	18	16	37	246	1180	916	435	75	27
Min..	17	15	12	12	9.0	12	38	162	470	67	28	16
Acre-ft.	1460	1150	891	908	781	1330	7260	43090	40320	13300	2770	1230

Total run-off for period=114,500 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of San Juan River at Pagosa Springs, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	53	62	49	58	49	73	405	1920	1360	794	130	160
2....	53	67	56	59	47	69	510	1890	1670	642	116	130
3....	53	69	58	56	47	62	678	1810	1250	530	112	114
4....	51	67	59	52	47	76	738	1890	952	458	110	108
5....	51	64	58	55	45	70	787	1550	808	393	121	98
6....	51	66	56	58	46	61	952	1270	822	343	138	91
7....	51	65	45	55	45	74	843	1220	892	314	153	86
8....	51	65	55	55	46	65	630	1050	1020	296	121	82
9....	51	65	54	55	45	76	535	892	1070	281	116	77
10....	51	60	59	55	47	88	401	794	1030	256	218	79
11....	52	56	50	55	45	90	332	794	1140	240	160	74
12....	58	56	52	55	47	91	306	850	968	224	133	69
13....	96	58	53	55	47	93	354	864	850	206	156	66
14....	85	59	54	56	44	88	490	780	738	191	128	70
15....	77	59	56	56	47	86	690	708	750	209	128	67
16....	74	60	55	56	48	73	762	648	744	194	156	65
17....	72	55	55	59	56	67	648	624	738	172	128	62
18....	67	60	55	55	56	79	684	648	762	158	243	61
19....	66	56	56	51	64	80	808	666	762	148	281	58
20....	66	59	55	59	69	72	976	732	774	153	224	55
21....	66	51	54	60	74	72	952	702	768	158	174	53
22....	64	50	54	60	83	73	1100	678	726	188	156	51
23....	65	56	55	54	88	79	1310	696	702	191	148	48
24....	65	60	60	49	82	83	1450	913	666	160	135	48
25....	64	59	60	50	73	98	1450	1180	618	153	126	47
26....	62	52	58	54	74	116	1450	1220	594	140	126	51
27....	60	53	50	59	72	153	1390	1140	576	126	118	61
28....	59	61	58	60	74	218	1420	1400	535	130	116	67
29....	65	51	59	58	....	343	1560	1600	576	114	138	61
30....	62	58	60	53	....	417	1740	1460	1350	135	174	72
31....	59	....	56	49	....	373	....	1360	....	143	215	....
Total	1920	1779	1714	1721	1607	3558	26351	33949	26211	7840	4698	2231
Mean.	61.9	59.3	55.3	55.5	57.4	115	878	1095	874	253	152	74.4
Max..	96	69	60	60	88	417	1740	1920	1670	794	281	160
Min..	51	50	45	49	44	61	306	624	535	114	110	47
Acre-ft.	3810	3530	3400	3410	3190	7060	52270	67340	51990	15550	9320	4430

Total run-off for period=225,200 acre-feet.

Discharge of San Juan River at Pagosa Springs, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	62	73	46	40	55	50	156	505	3350	1310	149	61
2....	60	66	56	40	53	56	171	547	3140	1330	141	60
3....	62	77	39	48	48	59	256	547	2500	1260	135	59
4....	58	77	46	43	51	53	389	555	1770	1190	127	58
5....	55	75	52	37	55	49	520	720	1440	1270	121	58
6....	55	71	56	46	51	42	600	1080	1530	1260	127	58
7....	52	50	56	46	52	44	696	1340	1770	1100	116	58
8....	53	50	51	41	59	48	642	1390	2050	972	111	59
9....	51	62	48	44	60	52	628	1420	2690	906	146	56
10....	50	63	49	46	56	58	468	1500	3230	834	133	54
11....	50	56	49	48	50	62	468	1420	3230	740	124	55
12....	70	56	46	45	50	71	585	1590	2860	655	121	53
13....	60	53	58	43	60	65	637	2140	2560	585	103	52
14....	55	52	55	44	46	63	501	2860	2540	520	89	51
15....	55	51	51	45	53	52	379	3640	2580	468	85	52
16....	55	51	41	46	53	58	372	3510	2460	425	83	56
17....	52	51	42	45	53	70	303	2740	2220	406	80	53
18....	50	52	48	45	50	86	288	1600	2090	395	80	55
19....	63	51	56	45	47	73	300	1360	2160	398	114	52
20....	70	51	56	46	46	71	288	1610	2310	632	108	50
21....	65	50	51	48	52	66	281	1860	2630	456	108	49
22....	66	53	52	49	47	59	249	2120	2540	379	89	49
23....	65	63	52	40	46	66	292	2690	2260	338	83	50
24....	62	63	48	49	50	79	452	3210	2200	326	91	52
25....	62	60	36	43	48	79	480	3010	2150	307	103	56
26....	66	62	49	48	47	73	433	2540	1990	263	91	68
27....	66	43	49	53	51	71	564	2180	1830	238	80	70
28....	71	43	41	53	51	70	624	2000	1590	213	73	70
29....	120	44	39	52	47	73	543	2740	1470	195	70	75
30....	111	44	48	52	....	102	464	3130	1440	178	68	72
31....	91	....	37	51	....	138	....	3140	....	168	65	....
Total	1983	1713	1503	1431	1487	2058	13029	60694	68540	19727	3214	1721
Mean.	64.0	57.1	48.5	46.2	51.3	66.4	434	1958	2285	636	104	57.4
Max..	120	77	58	53	60	138	696	3640	3350	1330	149	75
Min..	50	43	36	37	46	42	156	505	1440	168	65	49
Acre-ft.	3930	3400	2980	2840	2950	4080	25840	120400	135900	39130	6370	3410

Total run-off for period=351,200 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of San Juan River at Rosa, New Mexico, for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	150	211	189	170	219	387	1940	4330	2740	1940	420	644
2....	148	217	159	170	209	382	2250	4330	3360	1390	369	466
3....	152	235	185	160	209	328	2660	4330	3040	1150	311	387
4....	152	237	221	140	187	346	3040	4420	2250	1000	299	342
5....	148	237	227	140	210	374	3040	3960	1820	800	303	299
6....	146	227	199	150	170	364	3610	3280	1760	704	346	275
7....	144	229	170	150	*200	333	3440	2960	1880	664	410	250
8....	146	223	130	150	229	338	2810	2660	2120	651	360	240
9....	150	223	140	140	203	455	2520	2180	2320	632	287	236
10....	150	221	150	150	160	739	2000	1940	2250	583	475	230
11....	152	203	160	150	180	725	1650	1880	2590	526	571	219
12....	159	193	162	160	200	746	1440	2000	2380	499	466	208
13....	245	191	161	*160	170	725	1450	2000	2060	482	425	187
14....	348	197	181	160	209	670	1880	1820	1700	494	450	194
15....	302	199	187	160	205	664	2320	1650	1650	548	378	222
16....	302	209	179	170	217	455	2660	1450	1650	577	425	208
17....	292	201	174	150	219	387	2380	1380	1600	455	435	190
18....	282	189	185	140	250	477	2320	1400	1650	392	904	187
19....	268	199	193	110	291	488	2520	1420	1650	378	990	190
20....	258	201	174	140	338	430	2880	1520	1650	396	846	172
21....	255	209	160	*170	396	405	2880	1540	1650	400	844	160
22....	250	174	150	190	494	440	3040	1480	1600	410	554	148
23....	245	162	170	209	589	488	3440	1440	1510	532	494	138
24....	243	201	191	260	504	554	3780	1760	1430	466	445	140
25....	237	215	217	237	460	739	3700	2380	1330	494	396	142
26....	229	207	219	225	420	894	3700	2660	1250	425	387	154
27....	223	181	191	233	420	1220	3610	2450	1220	356	360	230
28....	219	203	150	211	420	1440	3520	2810	1270	328	333	303
29....	235	203	*140	223	....	1940	3700	3200	1330	333	360	261
30....	248	177	150	209	....	2450	3960	3200	3060	324	420	233
31....	225	....	160	215	....	2060	....	2960	....	415	802	....
Total	6703	6174	5424	5402	7978	22443	84140	76790	57770	18744	14665	7255
Mean.	216	206	175	174	285	724	2805	2477	1926	605	473	242
Max.	348	237	227	260	589	2450	3960	4420	3360	1940	990	644
Min.	144	162	130	140	160	328	1440	1380	1220	324	287	138
Ac.-ft.	13300	12250	10760	10719	15820	44520	166900	152300	114600	37180	29090	14390

Total run-off for period=621,820 acre-feet.

*Winter discharge measurement made on this day.

Discharge of San Juan River at Rosa, New Mexico, for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	233	295	178	150	170	199	1210	2380	6480	3120	460	187
2....	219	261	193	160	180	233	1180	2520	6480	3040	420	172
3....	240	247	175	165	170	295	1400	2320	5780	2810	390	172
4....	230	264	142	160	180	315	1940	2000	4720	2810	360	160
5....	216	268	170	140	190	283	2520	2450	3870	3040	334	157
6....	212	268	193	160	200	216	2810	3360	3960	2960	324	154
7....	212	240	208	150	190	181	2960	4240	4620	2660	328	157
8....	202	178	181	140	200	181	2660	4520	5020	2380	303	148
9....	205	190	196	130	208	199	2740	4420	5560	2250	346	145
10....	193	230	190	150	205	233	1940	4720	6010	2120	488	138
11....	187	233	142	170	190	303	1880	4720	6010	1900	374	128
12....	216	226	138	180	180	351	2520	4720	5780	1700	346	122
13....	258	226	170	160	170	364	2810	6010	5130	1500	315	120
14....	226	216	216	150	190	477	2320	6970	5130	1400	275	113
15....	212	212	216	140	180	510	1510	7990	5130	1300	244	116
16....	205	205	190	145	195	342	1480	7470	5130	1200	230	122
17....	199	202	151	150	190	400	1210	6480	4620	1150	222	138
18....	190	212	170	150	178	583	1070	4620	4520	1100	236	130
19....	212	212	200	155	172	472	1230	3870	4620	1100	272	128
20....	287	208	226	155	170	450	1520	4330	4920	1700	387	120
21....	254	202	219	160	172	396	1500	4720	5130	1240	369	111
22....	236	205	199	160	190	387	1330	5240	4920	1040	315	109
23....	233	258	212	170	178	410	1230	5780	4620	854	258	105
24....	236	295	199	180	181	526	2060	6480	4620	854	261	109
25....	222	264	169	170	202	644	2180	6240	4620	838	396	172
26....	226	240	175	160	196	554	1760	5560	4240	704	392	208
27....	226	226	205	150	190	532	2520	5240	4140	619	299	230
28....	230	166	190	160	199	516	2810	4720	3700	565	250	272
29....	324	154	160	170	200	510	3040	5780	3360	532	222	226
30....	440	160	180	170	....	690	2520	6480	3360	504	202	208
31....	342	....	150	160	....	1050	....	6480	....	480	190	....
Total	7323	6763	5703	4876	5416	12802	59860	152830	146200	49470	9808	4577
Mean.	236	225	184	157	187	413	1995	4930	4873	1596	316	153
Max.	440	295	226	180	208	1050	3040	7990	6480	3120	488	272
Min.	187	154	138	130	170	181	1070	2000	3360	480	190	105
Ac.-ft.	14520	13410	11310	9660	10740	25390	118700	303100	290000	98120	19450	9080

Total run-off for period=923,480 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of West Fork of San Juan River Above Born's Lake Near Pagosa Springs, Colo.,
for Year Ending Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	14	18	11	11	11	11	52	440	415	178	46	61
2....	14	19	11	11	11	11	67	435	435	146	35	53
3....	14	19	10	11	11	11	81	430	312	121	35	48
4....	13	17	11	11	11	11	86	385	238	104	35	43
5....	13	15	11	11	11	11	102	282	207	89	40	39
6....	13	15	11	11	11	11	112	222	214	81	50	36
7....	13	14	10	11	11	11	88	204	262	79	58	34
8....	13	15	10	11	11	11	65	159	304	73	45	32
9....	13	15	11	11	11	11	57	132	312	70	45	32
10....	12	13	10	11	11	11	46	128	304	63	55	31
11....	14	13	10	11	11	11	40	142	326	58	80	29
12....	18	13	9.8	11	11	11	38	162	270	54	68	26
13....	23	13	10	11	11	11	44	164	222	51	56	26
14....	24	12	10	11	11	12	58	146	195	51	58	26
15....	21	12	11	11	11	12	78	128	201	63	60	26
16....	20	12	11	11	11	13	87	119	218	49	61	24
17....	20	12	11	11	11	12	74	119	230	43	55	24
18....	19	12	11	11	11	11	80	130	234	40	104	24
19....	19	12	10	11	11	14	107	146	234	39	123	22
20....	19	11	10	11	11	16	128	151	242	45	88	20
21....	19	12	10	11	11	11	132	148	234	52	74	18
22....	20	11	9.8	11	11	10	171	149	226	62	66	18
23....	19	13	9.8	11	11	10	237	171	207	56	58	17
24....	18	13	9.8	11	11	11	272	274	192	50	52	17
25....	17	12	9.8	11	11	13	254	353	180	42	52	17
26....	16	11	11	11	11	15	259	335	175	38	50	22
27....	16	12	10	11	11	24	272	348	162	34	43	26
28....	16	11	11	11	11	37	301	430	149	33	56	22
29....	15	12	10	11	....	54	350	445	148	33	58	26
30....	16	11	11	11	....	54	415	400	344	35	84	27
31....	16	....	11	11	....	45	....	371	....	46	82	....
Total	517	400	323.0	341	308	517	4153	7648	7392	1978	1872	866
Mean.	16.7	13.3	10.4	11	11	16.7	138	247	246	63.8	60.4	28.9
Max..	24	19	11	....	....	54	415	445	435	178	123	61
Min..	12	11	9.8	....	....	....	38	119	148	33	35	17
Acre-ft.	1030	793	641	676	611	1030	8240	15170	14660	3920	3710	1720

Total run-off for period=52,200 acre-feet.

**Discharge of West Fork of San Juan River Above Born's Lake Near Pagosa Springs, Colo.,
for Year Ending Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	21	18	21	15	10	13	15	26	660	422	54	18
2....	20	20	20	15	10	13	17	31	585	418	51	18
3....	19	22	18	15	11	13	20	30	442	394	49	17
4....	17	22	20	14	11	13	26	38	350	378	46	17
5....	17	22	20	15	12	13	31	92	329	394	48	17
6....	17	19	18	14	12	13	37	112	398	366	46	17
7....	16	17	18	14	12	13	42	138	474	312	42	17
8....	16	19	17	14	12	13	38	164	538	268	41	16
9....	15	18	17	14	12	13	37	188	650	222	54	16
10....	15	18	19	14	12	13	30	164	710	175	41	16
11....	18	18	18	14	12	13	27	150	690	166	40	15
12....	20	18	19	14	12	14	32	210	615	154	37	15
13....	16	18	19	14	12	14	37	294	590	148	34	15
14....	17	18	18	14	12	14	29	422	600	144	31	14
15....	16	18	17	14	12	14	23	454	610	134	31	15
16....	15	18	17	14	12	14	22	438	565	122	29	15
17....	15	18	18	14	12	14	20	336	538	122	29	15
18....	14	18	18	14	12	14	18	225	560	112	29	14
19....	17	18	18	14	12	14	18	212	625	159	34	14
20....	17	17	18	14	12	14	18	268	665	188	34	14
21....	18	18	17	14	12	14	16	332	690	140	29	14
22....	19	18	17	14	12	14	16	406	635	120	25	14
23....	18	18	16	14	12	14	20	482	605	108	24	14
24....	18	20	16	12	12	14	31	518	605	104	26	16
25....	18	18	15	13	12	14	28	470	565	94	27	19
26....	19	18	16	13	12	13	31	414	580	84	24	22
27....	19	19	16	12	12	13	38	382	530	76	22	26
28....	22	21	16	11	12	13	32	434	474	71	21	27
29....	32	21	16	10	12	13	31	534	462	66	20	23
30....	24	22	15	9.8	....	13	24	595	446	62	19	20
31....	19	....	15	10	....	14	....	620	....	58	18	....
Total	564	567	543	416.8	342	418	804	9179	16786	5781	1055	510
Mean.	18.2	18.9	17.5	13.4	11.8	13.5	26.8	295	560	186	34.0	17.0
Max..	32	22	21	15	12	14	42	620	710	422	54	27
Min..	14	17	15	9.8	10	13	15	26	329	58	18	14
Acre-ft.	1120	1120	1080	827	678	829	1590	18170	33290	11470	2090	1010

Total run-off for period=73,270 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of West Fork of San Juan River at Pagosa Springs, Colo., for Year Ending
Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	30	29	21	24	25	24	134	742	650	362	78	79
2....	29	33	22	19	24	23	170	758	730	298	67	60
3....	30	33	22	18	23	22	207	742	530	254	67	56
4....	29	32	19	18	21	25	226	734	434	222	65	53
5....	28	29	19	18	20	25	254	618	402	189	70	51
6....	27	30	18	19	20	23	294	518	434	166	78	50
7....	27	29	20	19	20	25	270	502	482	158	93	49
8....	27	29	22	19	19	27	214	394	526	161	68	46
9....	27	29	22	19	19	25	178	326	510	150	67	48
10....	26	26	22	20	19	25	138	286	498	132	130	46
11....	27	27	22	20	19	27	121	306	530	126	100	48
12....	30	26	22	21	19	27	114	334	474	115	81	44
13....	46	25	22	22	19	27	136	366	410	106	106	44
14....	40	25	23	24	20	27	173	334	362	100	81	45
15....	39	25	23	29	*20	27	230	290	366	121	83	44
16....	36	24	24	*32	20	25	250	282	374	96	84	42
17....	34	23	24	33	21	27	222	270	382	81	96	40
18....	33	23	24	33	22	27	238	298	382	75	150	41
19....	32	23	24	22	23	27	302	314	382	71	165	38
20....	32	22	24	21	23	27	346	342	394	73	180	33
21....	32	22	24	26	24	27	338	326	378	95	140	30
22....	32	20	24	27	26	27	402	318	366	119	100	28
23....	31	21	24	27	27	27	506	342	346	108	88	28
24....	31	24	24	25	25	27	546	490	314	91	78	28
25....	31	24	25	23	24	27	530	578	290	79	73	27
26....	29	23	25	23	24	31	550	582	286	73	73	34
27....	29	23	23	24	24	47	526	570	262	70	67	40
28....	28	23	23	26	24	72	550	678	238	68	76	40
29....	29	23	25	26	....	108	586	726	250	65	78	34
30....	27	22	25	26	....	134	646	642	554	67	119	51
31....	28	....	25	26	....	123	....	618	....	78	123	....
Total	956	767	706	729	614	1162	9397	14626	12536	3969	2924	1297
Mean.	30.8	25.6	22.8	23.5	21.9	37.5	313	472	418	128	94.3	43.2
Max..	46	33	25	33	27	134	646	758	730	362	180	79
Min..	26	20	18	18	19	22	114	270	238	65	65	27
Acre-ft. 1900	1520	1400	1450	1220	2300	18640	29010	24860	7870	5800	2570	

Total run-off for period=98,540 acre-feet.

*Winter discharge measurement made on this day.

**Discharge of West Fork of San Juan River Near Pagosa Springs, Colo., for Year Ending
Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	38	33	31	25	34	32	33	115	1360	696	89	30
2....	37	34	30	26	34	34	36	126	1300	732	84	30
3....	36	37	27	28	32	36	48	124	1020	674	81	28
4....	32	35	30	26	34	35	76	136	741	628	74	28
5....	31	34	33	24	36	32	116	180	674	651	71	28
6....	31	32	33	26	34	28	126	283	759	628	76	28
7....	31	30	32	27	33	29	148	371	916	547	67	28
8....	30	31	30	22	36	31	148	415	1070	487	64	27
9....	30	32	29	23	37	32	136	483	1300	447	84	27
10....	30	30	29	*25	35	34	113	503	1400	403	67	27
11....	30	30	28	25	*33	36	116	479	1380	355	61	25
12....	37	29	33	25	34	38	128	559	1260	323	61	25
13....	31	29	35	24	37	*32	130	741	1160	295	52	24
14....	31	28	34	25	32	27	102	1020	1200	271	48	22
15....	30	28	30	26	34	25	82	1240	1200	243	47	24
16....	30	29	26	27	35	28	81	1210	1140	209	47	24
17....	29	29	28	27	34	33	71	984	1060	206	47	24
18....	28	29	32	27	32	36	70	664	1050	188	47	23
19....	33	29	35	27	31	35	68	579	1160	247	55	23
20....	34	*30	34	28	33	34	65	620	1230	307	53	23
21....	33	31	33	29	30	32	61	786	1340	212	52	23
22....	33	34	33	30	31	30	58	894	1280	188	43	23
23....	32	37	30	31	32	33	74	1110	1160	172	40	23
24....	30	37	27	30	33	36	106	1160	1160	170	43	26
25....	31	37	27	29	30	34	109	1070	1100	154	45	30
26....	32	32	30	32	32	32	109	993	1060	138	43	34
27....	32	27	32	33	33	31	136	894	988	128	40	40
28....	35	27	30	33	32	31	140	921	836	118	37	45
29....	49	27	26	33	30	31	118	1170	790	109	34	41
30....	44	29	30	34	....	34	109	1290	764	104	32	35
31....	37	....	25	35	....	34	....	1310	....	97	30	....
Total	1032	936	942	862	963	1005	2913	22430	32858	10127	1714	838
Mean.	33.3	31.2	30.4	27.8	33.2	32.4	97.1	724	1095	327	55.3	27.9
Max..	49	37	35	35	37	38	148	1310	1400	732	89	45
Min..	28	27	25	22	30	25	33	115	674	97	30	22
Acre-ft. 2050	1860	1870	1710	1910	1990	5780	44490	65170	20090	3400	1660	

Total run-off for period=152,000 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Turkey Creek Near Pagosa Springs, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	2.9	3.5	7.4	7.8	9.6	12	46	219	107	70	4.3	19
2....	2.9	4.1	8.4	7.8	10	11	56	212	122	55	4.1	16
3....	3.1	5.0	8.2	7.8	10	10	72	187	90	45	3.7	14
4....	3.1	5.6	7.2	7.8	8.8	10	75	184	70	37	4.3	13
5....	2.9	5.3	7.0	8.4	9.6	11	83	142	62	31	5.3	12
6....	2.9	6.8	6.6	8.4	8.0	9.2	90	122	66	26	8.8	11
7....	2.9	6.8	6.4	8.4	8.4	9.0	82	114	79	24	19	11
8....	2.9	7.9	7.0	8.2	9.4	10	69	97	87	22	14	9.5
9....	2.9	7.9	7.6	8.0	9.8	10	61	85	87	19	13	5.3
10....	2.9	6.8	8.0	8.0	8.6	10	49	79	79	16	13	4.6
11....	2.9	7.6	7.0	7.6	8.0	10	40	80	87	14	12	4.3
12....	3.8	9.0	7.6	7.6	9.2	11	39	88	76	13	14	2.7
13....	7.9	9.3	8.0	7.8	10	11	44	90	70	11	13	1.4
14....	5.6	9.6	8.0	7.8	10	11	64	82	59	11	11	1.5
15....	5.3	9.0	8.2	7.6	*11	11	83	72	57	16	12	1.4
16....	4.4	7.2	8.4	*7.7	12	10	88	65	60	11	11	1.2
17....	3.8	9.0	8.4	7.8	12	10	76	60	65	9.2	15	1.1
18....	3.3	7.9	8.4	7.8	13	12	83	60	66	8.2	26	1.1
19....	3.3	7.2	8.4	6.0	13	12	96	64	66	8.5	36	1.2
20....	3.1	7.2	8.2	6.6	12	11	101	68	66	8.5	28	2.5
21....	3.1	7.0	7.8	8.0	12	11	99	64	66	8.5	21	4.6
22....	3.5	6.8	7.8	9.0	12	12	112	64	62	11	18	3.1
23....	4.1	8.0	7.8	9.6	11	12	140	64	60	12	15	1.0
24....	2.9	8.6	7.8	8.6	11	12	160	85	57	9.5	14	0.9
25....	2.7	8.4	7.8	8.4	11	12	163	107	54	7.5	15	0.8
26....	2.5	7.8	7.0	8.0	12	14	163	107	56	6.3	14	1.0
27....	2.5	8.0	7.0	9.2	11	19	163	103	60	5.6	14	2.0
28....	2.5	8.0	7.0	9.8	11	28	178	112	54	5.8	16	2.1
29....	2.9	8.0	7.6	10	....	38	184	120	68	5.3	16	2.5
30....	2.5	8.6	7.8	10	....	41	199	110	114	6.0	20	3.9
31....	3.0	....	7.8	10	....	40	....	103	....	6.0	27	....
Total	105.0	221.9	237.6	255.5	293.4	450.2	2958	3209	2172	538.9	457.5	155.7
Mean.	3.39	7.40	7.66	8.24	10.5	14.5	98.6	104	72.4	17.4	14.8	5.19
Max.	7.9	9.6	8.4	10	13	41	199	219	122	70	36	19
Min.	2.5	3.5	6.4	6.0	8.0	9.0	39	60	54	5.3	3.7	0.8
Acre-ft.	208	440	471	507	582	893	5870	6360	4310	1070	907	309

Total run-off for period=21,930 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Turkey Creek Near Pagosa Springs, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	5.6	11	7.2	4.3	6.0	6.2	15	40	246	114	11	1.2
2....	6.8	12	7.8	4.6	5.8	6.6	17	45	230	117	11	0.9
3....	7.5	12	5.8	5.0	6.0	7.0	22	48	178	109	11	0.9
4....	1.2	11	6.2	4.7	6.2	6.4	35	56	127	102	9.8	0.7
5....	1.0	11	6.4	4.4	6.4	6.0	44	72	114	107	9.4	0.7
6....	1.0	10	6.6	4.9	6.2	5.4	51	101	122	98	9.4	0.8
7....	1.0	8.8	6.4	4.7	6.2	5.8	57	125	136	84	9.0	0.7
8....	0.9	8.2	6.0	4.5	6.8	6.2	55	132	164	78	8.6	0.8
9....	0.7	9.2	5.7	4.8	7.0	6.6	51	166	212	72	14	0.5
10....	0.6	9.8	5.6	5.0	6.0	7.0	41	160	230	66	11	0.4
11....	0.6	9.4	5.2	5.0	*5.3	7.6	44	187	216	57	9.4	0.2
12....	1.2	9.2	5.8	4.9	6.2	8.0	54	175	220	50	9.0	0.2
13....	2.3	8.2	6.5	*4.6	7.2	7.8	50	233	198	46	8.0	0.3
14....	5.6	8.5	8.2	4.6	5.2	*7.5	40	324	192	42	7.2	0.2
15....	6.6	8.5	7.1	4.8	*7.8	6.8	35	324	223	36	7.2	0.5
16....	6.6	8.5	6.3	4.9	6.2	7.4	34	308	209	33	7.2	0.5
17....	3.7	8.5	4.8	4.9	6.0	8.6	31	219	195	34	7.2	0.3
18....	0.8	8.5	5.6	4.9	5.8	9.8	28	138	184	32	6.9	0.3
19....	3.7	8.2	6.0	5.0	6.0	9.0	24	122	202	36	10	0.3
20....	5.8	8.2	6.0	5.2	6.2	8.2	23	140	212	45	9.4	0.2
21....	6.8	8.5	6.3	5.3	5.8	7.6	22	166	216	37	8.6	0.1
22....	7.5	7.8	6.0	5.4	5.6	7.2	21	202	202	31	7.2	0.2
23....	8.2	6.8	5.8	5.4	5.8	8.2	27	248	188	25	6.6	0.1
24....	7.1	11	5.8	5.2	6.0	9.0	37	260	192	25	7.2	0.4
25....	8.2	11	5.3	5.0	5.6	8.6	36	256	178	22	8.3	0.8
26....	7.8	8.5	6.3	5.4	5.8	8.0	43	220	167	21	6.6	2.0
27....	7.8	7.0	6.0	5.6	6.0	7.8	49	195	151	17	5.5	1.8
28....	8.5	6.5	5.0	5.6	6.0	8.2	50	184	133	15	5.2	2.8
29....	14	6.5	5.6	5.6	5.8	9.4	41	234	125	14	5.2	2.8
30....	12	6.7	6.0	5.6	....	11	38	246	122	13	5.2	1.4
31....	11	....	4.3	5.8	....	13	....	242	....	12	4.2	....
Total	162.1	269.0	187.6	155.6	176.9	241.9	1115	5568	5484	1590	255.5	23.0
Mean.	5.23	8.97	6.05	5.02	6.10	7.80	37.2	180	183	51.3	8.24	0.77
Max.	14	12	8.2	5.8	7.8	13	57	324	246	117	14	2.8
Min.	0.6	6.5	4.3	4.3	5.2	5.4	15	40	114	12	4.2	0.1
Acre-ft.	322	534	372	309	351	480	2210	11040	10880	3150	507	46

Total run-off for period=30,200 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Rio Blanco Near Pagosa Springs, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	7.2	15	14	14	14	21	112	432	235	160	14	34
2....	7.2	34	15	14	15	19	131	432	351	127	19	30
3....	7.0	35	15	13	16	17	155	407	223	102	22	28
4....	7.0	26	15	12	12	20	165	432	155	89	22	28
5....	6.8	22	15	13	14	18	170	279	115	79	23	26
6....	6.8	22	14	14	13	20	185	195	131	72	26	24
7....	6.6	19	13	14	14	19	160	195	160	72	20	23
8....	6.6	20	14	13	16	18	131	131	200	66	17	23
9....	6.6	19	14	13	17	18	115	85	217	61	23	22
10....	6.6	18	15	13	18	19	102	95	211	59	34	22
11....	7.6	17	13	13	16	19	92	119	253	56	22	20
12....	11	17	14	13	16	20	85	115	190	54	19	17
13....	26	18	14	13	17	21	95	143	131	52	19	16
14....	19	18	14	13	18	22	119	89	135	52	20	16
15....	18	18	14	13	*18	22	147	77	155	61	20	16
16....	17	19	14	*13	19	21	147	77	160	52	20	15
17....	16	17	14	12	20	19	119	82	175	43	28	15
18....	15	18	14	11	21	19	112	92	175	39	95	17
19....	14	17	14	10	21	19	139	105	170	39	29	16
20....	13	18	14	12	21	20	147	135	170	46	20	14
21....	13	15	14	13	22	21	165	95	160	43	23	13
22....	11	14	14	15	23	22	205	79	155	82	22	12
23....	8.2	15	14	15	24	24	241	102	143	50	22	12
24....	7.8	16	15	14	25	29	253	180	135	46	24	12
25....	7.4	15	16	13	23	41	241	229	98	26	28	13
26....	7.0	14	16	12	22	56	235	205	92	22	23	17
27....	6.8	14	13	13	21	77	223	229	95	13	20	24
28....	6.8	15	14	14	21	95	241	279	79	30	19	24
29....	6.6	14	14	14	....	123	279	286	105	35	30	23
30....	6.8	15	14	15	....	123	343	241	380	22	74	20
31....	8.0	....	14	15	....	108	....	217	....	17	35	....
Total	314.4	554	441	409	517	1110	5054	5859	5154	1768	832	592
Mean..	10.1	18.5	14.2	13.2	18.5	35.8	168	189	172	57.0	26.8	19.7
Max...	26	35	16	15	25	123	343	432	380	160	95	34
Min...	6.6	14	13	10	12	17	85	77	79	13	14	12
Acre-ft.	624	1100	875	811	1030	2200	10020	11620	10220	3510	1650	1170

Total run-off for period=44,830 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Rito Blanco Near Pagosa Springs, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.6	1.3	1.0	0.6	1.1	1.7	32	80	45	18	1.9	2.8
2....	0.4	2.3	1.0	0.6	1.1	1.7	43	74	51	12	1.8	2.0
3....	0.1	2.8	1.0	0.6	1.1	1.8	61	73	49	8.0	1.8	1.7
4....	0	2.8	1.0	0.6	1.1	2.0	69	74	41	6.5	1.8	1.5
5....	0	2.8	1.0	0.6	1.1	1.8	79	68	35	5.2	1.8	1.4
6....	0	2.4	1.0	0.6	1.1	1.8	88	54	34	4.3	1.8	1.3
7....	0	2.5	1.0	0.6	1.1	1.9	80	51	31	4.8	1.6	1.2
8....	0	2.5	1.0	0.6	1.1	2.2	68	44	33	4.5	1.4	1.0
9....	0	2.4	1.0	0.6	1.1	2.0	61	40	33	3.4	1.5	1.0
10....	0	2.2	1.0	0.6	1.1	2.2	49	37	32	2.8	2.3	1.1
11....	0	2.0	1.0	0.6	1.1	2.5	34	37	38	2.3	1.4	0.9
12....	0.5	2.0	1.0	0.6	1.1	2.8	30	36	35	2.1	1.7	0.5
13....	2.8	2.1	1.0	0.6	*1.1	3.0	32	30	30	1.8	1.4	0.5
14....	2.6	2.1	1.0	0.6	1.1	3.0	41	27	26	1.8	1.5	0.6
15....	3.0	2.1	1.0	*0.6	1.1	2.6	53	23	22	2.2	1.7	0.8
16....	2.8	2.1	1.0	0.6	1.1	2.3	54	20	20	2.1	1.8	0.8
17....	1.5	1.8	1.0	0.6	1.1	3.7	50	19	19	1.4	1.9	0.6
18....	1.1	1.9	1.0	0.6	1.1	2.8	51	18	18	1.3	1.0	0.6
19....	0.8	1.9	1.0	0.6	1.1	2.3	62	18	18	1.3	4.1	0.6
20....	1.0	1.9	1.0	0.6	1.1	2.6	68	19	19	1.4	2.4	0.4
21....	1.0	1.9	1.0	0.6	1.1	2.6	72	17	18	1.8	2.1	0.0
22....	0.9	1.7	1.0	1.6	1.1	2.6	82	14	16	2.1	2.0	0.0
23....	0.8	1.6	1.0	0.6	1.1	2.4	92	14	14	1.8	2.0	0.0
24....	0.7	1.7	1.0	0.6	1.1	2.6	94	18	14	1.8	1.8	0.0
25....	0.7	1.7	1.0	0.6	1.1	3.7	87	27	12	1.8	1.8	0.0
26....	0.7	1.6	1.0	0.6	1.1	5.2	88	30	12	1.5	1.8	0.2
27....	0.6	1.6	1.0	0.6	1.1	7.4	80	33	10	1.8	1.7	1.0
28....	0.6	1.7	1.0	0.6	1.1	12	77	40	11	2.2	1.7	1.2
29....	1.1	1.6	1.0	0.6	....	23	79	48	18	1.8	1.9	1.0
30....	1.2	1.7	1.0	0.6	....	35	82	48	47	3.7	4.1	0.7
31....	1.0	....	1.0	0.6	....	30	....	47	....	2.3	7.4	....
Total	26.5	60.7	31.0	18.6	30.8	173.2	1938	1178	801	109.8	73.9	25.4
Mean.	0.85	2.02	1.0	0.6	1.1	5.59	64.6	38.0	26.7	3.54	2.38	0.85
Max..	3.0	2.8	....	....	....	35	94	80	51	18	10	2.8
Min..	0	1.3	....	....	....	1.7	30	14	10	1.3	1.4	0
Acre-ft.	53	120	61	37	61	344	3840	2340	1590	218	147	50

Total run-off for period=8,860 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Rito Blanco Near Pagosa Springs, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.4	1.9	1.0	1.1	1.3	1.2	13	45	107	33	1.6	0.4
2....	0.3	2.1	1.2	1.2	1.3	1.6	17	45	91	27	1.6	0.3
3....	0.4	2.8	1.0	1.2	1.2	1.6	22	42	84	20	1.2	0.3
4....	0.4	3.9	1.1	1.1	1.3	1.4	31	43	72	15	1.2	0.3
5....	0.4	3.3	1.2	1.1	1.3	1.2	36	51	66	16	1.2	0.2
6....	0.4	1.4	1.3	1.2	1.2	1.1	42	69	67	12	1.0	0.3
7....	0.4	1.1	1.3	1.2	1.2	1.4	43	89	75	10	0.8	0.2
8....	0.4	0.9	1.2	1.2	1.3	1.2	40	89	91	8.1	2.6	0.2
9....	0.4	0.9	1.3	1.2	1.4	1.4	28	91	116	6.7	2.6	0.2
10....	0.4	1.9	1.2	1.2	1.4	1.6	33	107	89	5.4	2.6	0.1
11....	0.5	1.4	1.0	1.2	1.4	1.9	37	98	80	4.5	2.1	0.1
12....	0.9	1.4	1.0	*1.2	*1.4	1.9	40	125	69	3.9	1.6	0.1
13....	1.1	1.2	1.1	1.2	1.2	1.9	34	168	64	3.6	1.2	0.1
14....	0.5	1.2	1.2	1.1	1.1	2.1	28	215	64	3.0	1.0	0
15....	0.2	1.2	1.2	1.1	1.1	2.8	24	212	62	3.0	0.9	0
16....	0.2	1.2	1.0	1.1	1.1	6.7	20	190	62	2.8	0.9	0
17....	0.2	1.2	0.9	1.1	1.0	5.7	16	162	59	2.8	0.9	0
18....	0.2	1.1	1.0	1.2	1.0	2.5	16	114	54	2.6	1.0	0
19....	0.4	1.0	1.1	1.2	0.9	2.3	15	95	53	2.6	5.1	0
20....	0.8	0.9	1.2	1.2	0.9	5.1	14	100	55	3.3	3.0	0
21....	0.6	0.9	1.3	1.2	1.0	3.0	13	107	59	3.0	2.3	0
22....	0.5	0.8	1.4	1.2	1.0	2.1	13	118	57	2.6	1.4	0
23....	0.6	1.2	1.2	1.2	1.0	2.5	20	135	51	2.1	1.2	0.8
24....	0.5	1.7	1.2	1.2	1.0	3.6	38	142	51	3.3	3.9	0.6
25....	0.6	1.4	1.1	1.2	1.0	3.9	39	120	50	2.1	4.2	0.5
26....	0.4	1.4	1.2	1.2	1.1	3.6	41	107	48	1.9	2.5	1.2
27....	0.3	0.9	1.3	1.3	0.9	3.9	50	93	43	1.7	1.9	0.8
28....	0.3	0.9	1.4	1.3	0.9	5.1	55	88	36	1.7	1.2	0.7
29....	2.6	0.9	1.3	1.3	1.0	6.0	47	100	34	1.7	1.0	0.8
30....	2.6	0.9	1.2	1.3	....	8.4	45	102	35	1.7	0.7	0.5
31....	1.4	....	1.1	1.3	....	11	....	102	....	1.7	0.5	....
Total	19.3	43.0	36.2	37.0	32.9	99.7	910	3364	1944	208.8	54.9	8.7
Mean.	0.62	1.43	1.17	1.19	1.13	3.22	30.3	109	64.8	6.74	1.77	0.29
Max..	2.6	3.9	1.4	1.3	1.4	11	55	215	116	3.3	5.1	1.2
Min..	0.2	0.8	0.9	1.1	0.9	1.1	13	42	34	1.7	0.5	0
Acre-ft.	38	85	72	73	65	198	1800	6670	3860	414	109	17

Total run-off for period=13,400 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

**Discharge of Navajo River at Banded Peak Ranch Near Chromo, Colo., for Year Ending
Sept. 30, 1943.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	35	31	....	....	....	16	140	444	354	194	58	42
2....	37	*34	....	....	....	16	160	462	381	168	60	36
3....	38	....	....	....	....	17	180	453	281	149	56	33
4....	37	....	....	....	....	18	200	448	229	131	58	31
5....	36	....	....	....	....	17	225	354	214	116	67	29
6....	35	....	....	....	....	17	250	285	241	107	70	31
7....	35	....	....	....	....	20	230	269	261	100	58	29
8....	36	....	....	....	....	19	200	225	281	96	55	31
9....	37	....	....	....	....	23	180	194	305	89	60	30
10....	37	....	....	....	....	34	160	184	317	87	64	29
11....	38	....	....	....	....	45	150	190	345	83	55	28
12....	40	....	....	....	....	45	135	200	293	80	52	28
13....	45	....	....	....	....	43	140	184	249	76	54	27
14....	43	....	....	....	....	*35	155	176	229	76	52	27
15....	40	....	....	....	....	31	180	165	237	89	54	26
16....	38	....	....	....	....	30	204	162	237	76	52	26
17....	36	....	....	....	....	33	194	168	253	67	58	28
18....	35	....	....	....	....	37	211	179	257	62	154	27
19....	33	....	....	....	....	30	241	184	253	61	60	26
20....	32	....	....	....	....	25	257	204	261	64	48	26
21....	31	....	....	....	....	26	269	197	257	61	43	25
22....	30	....	....	....	....	30	305	190	241	72	42	25
23....	30	....	....	....	....	36	350	218	225	80	38	26
24....	29	....	....	....	....	44	358	273	208	81	36	26
25....	29	....	....	....	....	54	354	321	194	74	35	26
26....	30	....	....	....	....	62	363	325	184	67	39	28
27....	32	....	....	....	....	72	354	333	187	67	37	35
28....	34	....	....	....	....	82	363	358	184	66	35	39
29....	37	....	....	....	....	110	386	358	182	61	40	38
30....	35	....	....	....	....	140	417	337	332	62	42	36
31....	31	....	....	....	....	125	....	337	....	64	60	....
Total	1091	65	....	....	....	1332	7311	8377	7672	2726	1692	894
Mean.	35.2	....	....	....	....	43.0	244	270	256	87.9	54.6	29.8
Max..	45	....	....	....	....	140	417	462	381	194	154	42
Min..	29	....	....	....	....	16	135	162	182	61	35	25
Acre-ft.	2160	....	....	....	....	2640	14500	16620	15220	5410	3360	1770

Total run-off for period=61,680 acre-feet.

*Winter discharge measurement made on this day.

**Discharge of Navajo River at Banded Peak Ranch Near Chromo, Colo., for Year Ending
Sept. 30, 1944.**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	33	36	26	21	27	25	31	116	655	365	65	41
2....	33	34	23	22	26	26	34	116	620	340	62	40
3....	33	35	20	22	25	27	41	109	560	318	61	38
4....	32	32	21	21	25	26	48	116	440	322	58	36
5....	31	32	24	20	26	25	66	154	405	435	58	36
6....	30	29	26	21	25	25	110	246	435	360	61	36
7....	30	26	26	22	25	25	130	322	495	295	56	36
8....	31	25	26	21	26	26	130	322	535	254	54	36
9....	30	27	25	22	25	27	110	308	605	222	94	34
10....	29	28	25	23	24	28	100	345	625	203	68	33
11....	32	27	25	*24	23	29	110	336	620	186	64	31
12....	42	27	26	23	24	29	120	400	575	163	62	31
13....	34	26	27	23	23	26	100	510	550	148	55	31
14....	32	26	25	23	22	25	90	590	550	137	51	31
15....	31	27	23	23	23	24	85	680	545	121	48	32
16....	31	26	21	23	23	26	82	640	560	111	46	31
17....	30	27	22	23	23	29	78	565	530	116	48	30
18....	30	27	24	23	23	32	74	410	525	116	52	30
19....	38	28	26	23	22	31	70	400	555	126	62	29
20....	35	29	26	23	23	30	74	490	590	140	64	28
21....	34	28	25	23	23	28	72	530	600	145	64	28
22....	34	29	26	24	23	28	72	560	565	116	54	28
23....	33	30	23	23	23	30	84	620	550	118	51	29
24....	31	31	20	23	24	32	96	660	555	107	70	30
25....	31	27	18	23	23	31	87	640	520	98	70	31
26....	31	29	20	23	24	29	94	600	510	91	59	33
27....	32	26	23	24	24	29	114	575	470	83	51	32
28....	35	25	22	25	24	29	140	540	435	78	48	36
29....	48	24	20	25	25	30	111	620	415	75	46	32
30....	44	25	22	26	....	31	100	670	410	72	43	29
31....	40	....	20	26	....	31	....	645	....	67	42	....
Total	1040	818	726	711	696	869	2653	13835	16005	5528	1787	978
Mean.	33.5	28.3	23.4	22.9	24.0	28.0	88.4	446	534	178	57.6	32.6
Max..	48	36	27	26	27	32	140	680	655	435	94	41
Min..	29	24	18	20	22	24	31	109	405	67	42	28
Acre-ft.	2060	1680	1440	1410	1380	1720	5260	27440	31750	10960	3540	1940

Total run-off for period=90,580 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Navajo River at Edith, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	35	47	47	29	16	27	224	648	390	245	62	45
2....	35	53	52	26	15	26	254	630	475	218	58	40
3....	38	54	50	22	14	27	300	636	390	200	57	38
4....	35	54	53	19	11	32	355	630	308	187	57	34
5....	34	54	50	16	12	30	380	520	296	171	65	32
6....	35	53	44	16	12	28	435	420	312	153	71	34
7....	35	52	28	16	12	33	405	375	324	138	62	32
8....	38	52	30	16	12	31	340	324	336	136	56	33
9....	40	52	32	16	13	40	308	268	380	131	58	33
10....	37	49	34	16	13	62	268	245	410	131	65	31
11....	38	45	30	17	12	75	239	242	505	131	58	30
12....	41	47	31	17	12	77	224	242	460	120	57	29
13....	70	47	32	17	*12	77	230	227	324	111	57	27
14....	64	49	33	17	12	72	268	221	264	102	51	25
15....	60	50	35	*17	13	62	324	212	254	111	51	26
16....	60	50	37	17	14	47	350	203	268	102	52	25
17....	59	44	35	18	15	47	316	203	248	86	51	23
18....	54	49	32	17	17	54	328	203	268	78	145	24
19....	53	50	32	16	20	42	365	206	264	74	76	23
20....	50	50	35	15	23	45	415	209	272	74	57	23
21....	49	47	33	16	26	46	420	215	280	71	54	24
22....	49	44	31	18	30	53	445	209	260	74	56	22
23....	47	40	33	18	35	62	495	224	254	82	54	23
24....	47	44	35	18	31	75	520	268	257	88	54	24
25....	49	45	36	17	28	88	510	324	248	88	48	24
26....	46	42	36	16	28	105	510	355	233	71	42	31
27....	46	46	33	17	28	128	500	360	221	67	40	24
28....	47	49	29	17	28	142	540	410	239	67	39	44
29....	58	46	27	17	....	197	552	425	236	63	44	40
30....	54	49	28	17	....	242	600	395	360	63	45	40
31....	46	....	29	17	....	215	....	395	....	65	65	....
Total	1449	1453	1102	548	514	2287	11420	10444	9336	3498	1807	913
Mean.	46.7	48.4	35.5	17.7	18.4	73.8	381	337	311	113	58.3	30.4
Max..	70	54	53	29	35	242	600	648	505	245	145	45
Min..	34	40	27	15	11	26	224	203	221	63	39	22
Acre-ft.	2870	2880	2190	1090	1020	4540	22650	20720	18520	6940	3580	1810

Total run-off for period=88,810 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Navajo River at Edith, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	38	47	28	22	31	30	109	248	715	460	66	47
2....	36	43	29	23	29	32	115	260	729	420	63	49
3....	36	44	21	24	27	35	148	242	701	390	63	48
4....	36	43	24	23	29	34	212	212	608	390	62	47
5....	36	43	27	21	30	32	248	260	495	490	63	47
6....	34	40	29	24	28	31	260	370	548	435	64	48
7....	34	33	29	24	27	32	268	485	608	385	58	43
8....	35	35	28	22	30	34	264	490	656	310	56	42
9....	34	36	27	23	30	36	257	455	722	296	96	41
10....	32	36	27	24	28	38	215	490	757	276	77	38
11....	34	33	27	*25	25	43	221	490	757	256	70	36
12....	48	33	28	24	27	47	257	515	708	214	69	35
13....	42	34	31	23	29	44	268	660	656	187	63	33
14....	39	33	29	23	23	42	221	726	626	166	58	33
15....	38	31	27	24	25	38	182	860	614	146	57	35
16....	38	30	23	25	*25	41	179	785	620	125	54	35
17....	38	31	24	25	25	*47	146	708	620	117	56	33
18....	36	32	27	25	24	54	120	506	632	108	57	33
19....	47	32	30	25	24	54	136	450	694	104	66	32
20....	44	32	30	25	27	52	129	536	757	123	69	31
21....	40	32	27	25	26	50	129	566	813	143	72	30
22....	42	33	28	26	26	47	126	596	771	121	60	31
23....	43	36	28	26	27	48	141	662	736	114	57	33
24....	40	36	24	26	28	56	224	743	736	114	63	41
25....	40	32	20	24	28	57	218	729	701	140	83	42
26....	39	32	25	26	27	54	182	656	626	100	66	42
27....	39	26	26	29	29	51	254	620	590	88	58	41
28....	42	26	24	29	28	50	304	560	554	83	54	47
29....	60	26	22	29	28	52	288	656	506	79	50	44
30....	57	26	25	29	....	69	227	722	518	74	47	43
31....	52	....	21	29	....	98	....	694	....	70	48	....
Total	1249	1026	815	772	790	1428	6048	16952	19774	6494	1945	1180
Mean.	40.3	34.2	26.3	24.9	27.2	46.1	202	547	659	209	62.7	39.3
Max..	60	47	31	29	31	98	304	860	813	490	96	49
Min..	32	26	20	21	23	30	109	212	495	70	47	30
Acre-ft.	2480	2040	1620	1530	1570	2830	12000	33620	39220	12880	3860	2340

Total run-off for period=116,000 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Little Navajo River at Chromo, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.4	3.1	2.4	3.2	3.2	6.0	21	61	8.2	0.5	0.2	0.4
2....	1.5	3.4	3.1	3.2	3.2	6.0	42	74	8.6	0.2	0.2	0.4
3....	1.5	3.4	3.1	3.2	3.2	6.0	56	64	5.8	0.2	0.2	0.4
4....	1.5	3.4	3.2	3.2	3.2	6.0	55	63	3.4	0.2	0.2	0.4
5....	1.5	3.1	3.1	3.2	3.2	6.0	46	55	3.1	0.4	0.2	0.4
6....	1.5	3.1	2.8	3.2	3.2	6.0	42	42	3.4	0.7	0.4	0.4
7....	1.6	3.0	2.4	3.2	3.2	6.0	33	37	2.8	0.4	0.4	0.4
8....	1.6	3.1	2.6	3.2	3.2	6.0	21	35	2.3	0.2	0.4	0.4
9....	1.6	3.0	3.2	3.2	3.2	6.0	34	35	2.1	0.2	0.4	0.4
10....	1.6	2.5	3.2	3.2	3.2	6.0	26	32	2.3	0.1	0.4	0.4
11....	1.6	2.5	2.8	3.2	3.2	6.0	20	31	9.9	0.1	0.4	0.4
12....	1.7	2.4	2.9	3.2	3.2	9.8	17	29	4.5	0.1	0.4	0.4
13....	2.2	2.4	3.0	3.2	*3.2	10	20	26	3.9	0.1	0.4	0.4
14....	2.0	2.5	3.0	3.2	3.2	8.6	34	21	2.3	0.1	0.4	0.4
15....	2.0	2.7	3.0	*3.2	3.2	6.7	51	17	1.6	0.1	0.4	0.4
16....	2.1	2.8	3.0	3.2	3.2	9.8	63	15	1.4	0.1	0.4	0.4
17....	2.4	2.6	3.0	3.2	3.2	8.2	56	13	1.0	0.1	0.9	0.5
18....	2.4	2.8	3.0	3.2	3.2	4.9	47	9.4	0.9	0.1	4.2	0.5
19....	2.4	2.8	3.0	3.2	3.2	7.4	52	7.8	0.7	0.1	0.7	0.5
20....	2.3	3.0	3.0	3.2	3.2	7.8	57	8.2	0.7	0.1	0.5	0.7
21....	2.3	2.2	3.0	3.2	3.2	7.8	64	7.8	0.7	0.1	0.7	0.7
22....	2.5	2.4	3.2	3.2	3.2	8.2	74	7.4	0.4	0.1	0.5	0.7
23....	2.5	2.6	3.6	3.2	3.2	9.0	82	7.0	0.4	0.1	0.5	0.7
24....	2.5	3.1	3.1	3.2	3.2	13	47	7.0	0.5	0.1	0.4	0.9
25....	2.5	3.1	3.1	3.2	3.2	16	50	5.4	0.4	0.1	0.4	1.0
26....	2.5	2.4	3.1	3.2	3.2	19	70	4.5	0.2	0.1	0.4	1.6
27....	2.6	2.8	3.1	3.2	3.2	22	73	5.4	0.1	0.1	0.4	1.8
28....	3.0	3.1	3.2	3.2	3.2	26	71	4.7	0.1	0.1	0.4	1.8
29....	3.4	2.5	3.3	3.2	....	42	67	4.7	0.7	0.1	0.5	1.8
30....	3.6	2.8	3.4	3.2	....	41	67	6.2	6.6	0.2	1.2	1.9
31....	3.1	....	3.5	3.2	....	31	....	7.0	....	0.2	1.0	....
Total	66.9	84.6	94.4	99.2	89.6	374.2	1458	742.5	79.0	5.4	18.1	21.5
Mean	2.16	2.82	3.05	3.20	3.20	12.1	48.6	24.0	2.63	.17	.58	.72
Max.	3.6	3.4	3.6	....	....	42	82	74	9.9	0.7	4.2	1.9
Min.	1.4	2.2	2.4	....	....	....	17	4.5	0.1	0.1	0.2	0.4
Acre-ft.	133	168	187	197	178	742	2890	1470	157	11	36	43

Total run-off for period=6,210 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Little Navajo River at Chromo, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.9	2.3	1.7	1.6	1.7	1.9	12	30	52	4.9	0.2	0.2
2....	1.8	2.6	1.8	1.7	1.6	2.1	14	25	42	4.6	0.2	0.2
3....	1.4	3.1	2.0	1.8	1.6	2.4	16	22	38	4.0	0.2	0.2
4....	1.8	3.4	1.8	1.7	1.7	2.7	20	61	31	7.5	0.2	0.2
5....	1.9	3.6	2.1	1.6	1.7	2.7	30	92	27	19	0.2	0.5
6....	1.9	2.1	2.1	1.7	1.6	2.6	52	66	24	11	0.2	0.5
7....	1.9	2.1	2.1	1.8	1.6	2.4	45	72	25	7.5	0.2	0.4
8....	1.9	2.3	2.1	1.8	1.7	2.4	45	66	31	5.4	0.2	0.4
9....	1.9	2.8	2.1	1.7	1.8	2.7	39	61	30	4.3	0.2	0.3
10....	1.9	3.4	1.8	1.7	1.8	3.4	29	66	25	4.3	0.2	0.2
11....	1.9	3.4	1.8	1.7	1.8	4.6	36	68	24	3.2	0.2	0.2
12....	2.3	2.8	1.8	1.7	1.7	5.2	38	84	22	2.9	0.2	0.2
13....	2.3	2.1	2.0	1.6	1.6	6.8	35	97	18	2.7	0.2	0.2
14....	2.3	1.8	2.1	1.5	1.5	7.6	29	112	17	2.4	0.2	0.2
15....	2.3	1.9	2.0	1.5	1.4	8.5	27	116	16	2.5	0.2	0.2
16....	2.3	1.9	1.9	1.6	1.3	8.5	21	100	14	2.5	0.2	0.2
17....	2.3	2.3	1.8	1.6	1.3	8.0	16	79	11	2.5	0.2	0.2
18....	1.6	2.1	1.9	1.7	1.3	5.0	15	53	8.7	1.0	0.2	0.2
19....	1.9	2.3	1.9	1.7	1.3	4.5	17	44	6.0	0.2	0.2	0.2
20....	1.8	1.8	2.0	1.6	1.3	8.0	15	51	5.4	0.2	0.2	0.2
21....	1.8	1.8	2.1	1.6	1.3	6.5	21	50	8.7	0.2	0.2	0.2
22....	1.6	1.9	2.3	1.6	1.4	5.0	20	53	6.9	0.3	0.2	0.2
23....	1.6	2.0	1.9	1.6	1.4	7.5	33	59	4.6	0.2	0.2	0.2
24....	1.4	2.2	1.9	1.6	1.4	8.0	39	57	4.9	0.2	0.2	0.2
25....	1.4	2.1	1.7	1.7	1.4	8.5	32	52	5.2	0.3	0.2	0.3
26....	1.4	1.9	1.7	1.7	1.5	8.0	29	50	5.4	0.3	0.2	0.3
27....	1.6	1.8	1.8	1.8	1.7	8.5	42	54	3.5	0.3	0.2	0.3
28....	1.6	1.7	1.9	1.7	1.8	9.5	47	52	3.8	0.2	0.2	0.3
29....	2.6	1.7	1.9	1.7	1.6	10	36	59	2.9	0.2	0.2	0.3
30....	1.6	1.7	1.8	1.7	....	11	31	55	2.9	0.2	0.2	0.3
31....	1.6	....	1.7	1.7	....	11	....	54	....	0.2	0.2	....
Total	57.5	68.9	59.5	51.7	44.8	185.5	881	1960	515.9	95.2	6.2	7.7
Mean	1.85	2.30	1.92	1.67	1.54	5.98	29.4	63.2	17.2	3.07	0.20	0.26
Max.	2.6	3.6	2.3	1.8	1.8	11	52	116	5.2	1.9	0.2	0.5
Min.	1.4	1.7	1.7	1.5	1.3	1.9	12	22	2.9	0.2	0.2	0.2
Acre-ft.	114	137	118	103	89	368	1750	3890	1020	189	12	15

Total run-off for period=7,800 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Piedra River Near Piedra, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	51	64	56	54	55	78	405	1520	804	495	154	237
2....	50	69	52	55	58	76	495	1440	1050	385	116	181
3....	51	73	56	53	57	68	625	1420	804	317	111	151
4....	51	73	64	51	56	73	750	1540	625	272	109	138
5....	50	68	56	52	56	74	810	1220	545	221	122	122
6....	49	69	52	56	56	68	985	985	575	196	116	111
7....	49	69	44	53	57	68	943	922	615	181	130	100
8....	49	66	56	52	58	66	714	786	672	175	111	95
9....	49	67	54	52	57	74	605	660	684	175	116	92
10....	49	61	58	52	56	87	460	595	648	151	258	90
11....	49	56	58	51	58	85	366	605	762	128	221	88
12....	54	56	50	50	*58	84	353	654	654	120	163	81
13....	95	57	53	50	58	82	385	684	570	105	233	79
14....	96	60	53	*49	57	85	530	615	495	96	187	82
15....	84	62	54	49	59	84	620	550	490	169	154	87
16....	81	67	53	52	61	65	702	495	485	135	202	81
17....	81	54	53	54	65	65	648	480	495	102	178	76
18....	74	58	52	52	67	82	648	495	505	92	299	81
19....	70	60	54	50	69	66	738	490	470	87	465	74
20....	68	65	54	52	74	65	852	525	475	87	366	70
21....	68	52	52	58	77	67	866	500	470	87	254	66
22....	70	44	50	58	81	70	950	485	450	92	209	62
23....	70	51	49	57	84	76	1120	475	425	98	184	61
24....	70	65	52	55	88	73	1250	585	395	88	163	61
25....	70	65	55	54	84	79	1170	768	358	96	157	60
26....	68	57	56	52	82	90	1210	817	340	81	160	62
27....	67	50	52	56	85	120	1150	696	366	72	151	73
28....	66	62	50	60	84	172	1150	792	335	79	135	98
29....	73	52	55	64	....	276	1230	985	405	79	148	79
30....	69	56	55	64	....	410	1360	929	708	85	190	77
31....	61	....	54	60	....	385	....	831	....	138	366	....
Total	2002	1831	1662	1677	1857	3313	24090	24544	16675	4684	5928	2815
Mean.	64.6	61.0	53.6	54.1	66.3	107	803	792	556	151	191	93.3
Max..	96	73	64	64	88	410	1360	1540	1050	495	465	237
Min..	49	44	44	49	55	65	353	475	335	72	109	60
Acre-ft.	3970	3630	3300	3330	3680	6570	47780	48680	33070	9290	11760	5580

Total run-off for period=180,600 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Piedra River Near Piedra, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	72	85	57	57	60	55	111	845	2470	1180	125	63
2....	78	78	68	54	59	58	113	908	2340	1150	121	60
3....	76	84	59	62	56	61	154	852	1950	1120	113	59
4....	73	88	54	67	58	60	254	852	1530	1110	107	58
5....	72	93	62	56	60	59	450	1080	1320	1190	101	56
6....	69	90	67	54	57	51	605	1500	1490	1110	107	56
7....	67	56	72	*56	59	51	720	1800	1870	972	103	58
8....	69	56	66	60	61	54	714	1880	2010	856	96	58
9....	69	74	67	56	65	56	702	2000	2270	800	119	58
10....	67	82	56	56	61	60	535	2040	2370	751	142	56
11....	65	78	48	58	55	65	595	2120	2330	667	113	53
12....	78	79	58	60	57	73	722	2960	2080	564	103	52
13....	74	76	73	58	68	77	726	2840	1850	512	92	51
14....	69	73	78	52	62	73	550	3760	1840	475	82	49
15....	68	69	74	52	65	65	450	4000	1860	420	78	49
16....	66	68	64	56	61	60	435	3860	1810	395	76	56
17....	64	72	60	56	58	68	371	3100	1640	360	74	54
18....	62	73	84	56	58	77	366	1930	1640	355	73	52
19....	81	70	69	56	56	74	380	1650	1770	335	85	51
20....	90	68	76	56	56	73	358	1810	1860	600	85	49
21....	77	69	72	57	58	69	317	1930	1890	445	94	48
22....	79	74	67	58	56	60	263	2270	1750	370	78	47
23....	72	79	68	59	55	65	390	2590	1680	294	73	45
24....	70	78	67	62	56	73	615	2890	1760	286	80	45
25....	79	71	58	61	58	78	615	2280	1660	278	103	49
26....	74	67	69	64	57	74	620	2160	1700	234	94	65
27....	76	50	68	62	56	67	726	1930	1560	200	78	78
28....	78	50	65	61	56	66	1040	1910	1370	175	72	80
29....	118	55	58	61	55	67	859	2410	1300	158	68	76
30....	151	57	64	60	....	81	774	2540	1250	145	65	69
31....	113	....	70	58	....	107	....	2510	....	135	64	....
Total	2435	2146	2029	1891	1699	2077	15559	66607	54226	17652	2864	1700
Mean.	78.5	72.2	65.5	58.1	58.6	67.0	518	2149	1807	569	92.4	56.7
Max..	151	93	78	67	68	107	1040	4000	2470	1190	142	80
Min..	69	....	48	52	55	51	111	845	1250	135	64	45
Acre-ft.	4830	4300	4020	3570	3370	4120	30840	132100	107500	35010	5680	3370

Total run-off for period=338,700 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Pine or Los Pinos River Near Bayfield, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	275	106	102	50	51	51	66	1270	733	505	390	368
2....	168	106	102	50	51	51	68	1260	740	505	395	368
3....	120	106	81	50	51	51	69	1260	740	505	426	364
4....	171	106	51	50	51	51	69	1280	740	505	426	364
5....	233	106	51	50	51	51	74	1280	740	500	418	364
6....	233	106	51	50	51	51	74	1280	740	500	418	354
7....	233	106	51	50	51	51	74	1290	740	500	413	326
8....	233	106	51	50	51	51	70	1190	740	500	413	326
9....	233	106	51	50	51	52	69	916	740	500	413	326
10....	226	106	51	50	51	52	65	916	740	500	413	326
11....	226	106	51	50	51	52	64	876	740	500	413	326
12....	226	106	51	50	51	52	64	788	740	500	418	326
13....	233	106	51	50	51	52	136	788	740	500	418	326
14....	213	106	51	50	51	52	193	788	740	505	418	326
15....	152	104	51	50	51	52	330	748	670	505	418	326
16....	152	104	51	50	51	52	350	628	510	500	418	326
17....	152	104	51	51	51	56	404	594	510	500	422	326
18....	152	104	51	50	51	56	408	515	510	500	426	326
19....	152	104	51	50	51	56	431	510	510	495	431	326
20....	152	104	51	50	51	56	520	510	510	495	436	326
21....	152	104	51	50	51	56	684	510	510	480	436	326
22....	152	104	51	51	51	56	772	505	510	455	436	326
23....	139	104	51	52	52	56	828	505	510	455	436	372
24....	106	104	51	51	51	56	1070	505	510	455	436	372
25....	106	104	52	50	51	56	1070	558	510	450	436	372
26....	106	104	51	50	51	59	1080	726	510	450	436	372
27....	106	104	51	50	51	60	1120	726	510	450	436	372
28....	106	102	51	50	51	61	1120	733	510	445	436	372
29....	106	102	51	50	....	61	1180	733	510	445	413	372
30....	106	102	51	51	....	64	1260	733	505	445	368	372
31....	106	....	51	51	....	65	....	733	....	426	368	....
Total	5226	3142	1714	1557	1429	1694	13782	25654	18668	14976	12980	10374
Mean.	169	105	55.3	50.2	51.0	54.6	459	828	622	483	419	346
Max..	275	106	102	52	52	65	1260	1290	740	505	436	372
Min..	106	102	51	50	51	51	64	505	505	426	368	326
Ac.-ft.	10370	6230	3400	3090	2830	3360	27340	50880	37030	29700	25750	20580

Total run-off for period=220,600 acre-feet.

Discharge of Pine or Los Pinos River Near Bayfield, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	372	338	149	91	69	68	72	171	2110	1490	600	1020
2....	372	296	88	91	69	68	74	177	2120	1420	564	1010
3....	372	180	88	91	69	68	76	177	2110	1420	564	1000
4....	372	180	88	91	69	68	78	180	2120	1420	558	996
5....	372	177	88	91	69	68	80	122	2120	1420	558	988
6....	368	177	88	76	69	68	82	102	2120	1420	552	972
7....	368	177	88	23	69	68	84	112	2110	1410	552	916
8....	368	177	89	21	69	68	84	116	2120	1280	552	876
9....	364	177	89	23	69	68	84	120	2140	1200	546	876
10....	364	177	89	22	69	68	82	134	2170	996	540	860
11....	359	177	89	30	68	68	84	193	2170	876	540	860
12....	359	177	89	68	68	68	86	237	2190	876	540	844
13....	359	177	89	68	68	68	88	275	2200	772	535	828
14....	359	177	89	68	68	68	86	395	2220	712	535	828
15....	359	174	89	68	68	68	81	642	2220	712	535	756
16....	354	174	89	68	68	68	81	1120	2220	712	530	733
17....	354	174	89	68	68	69	81	2140	2170	712	530	719
18....	354	174	89	69	68	69	81	2120	2090	712	530	719
19....	354	174	89	69	68	69	81	2080	1980	719	530	705
20....	350	114	91	69	68	69	84	2100	1880	712	530	663
21....	342	88	91	69	68	69	82	2090	1880	712	525	628
22....	342	88	91	69	68	69	82	1600	1880	705	525	614
23....	342	88	91	69	68	69	84	1690	1880	705	490	600
24....	342	88	91	72	68	69	86	2110	1880	705	450	588
25....	342	88	91	70	69	69	89	2050	1880	698	450	582
26....	342	88	91	70	68	69	88	2000	1780	698	445	570
27....	342	108	91	70	68	69	91	1990	1740	691	764	552
28....	342	190	91	70	68	69	95	1990	1740	691	1050	576
29....	342	190	91	70	68	69	95	2020	1630	684	1040	594
30....	342	190	91	70	....	69	118	2080	1580	677	1040	546
31....	342	....	91	70	....	69	....	2140	....	677	1030	....
Total	11015	4954	2837	2034	1983	2123	2539	34473	60450	28634	18730	23016
Mean.	355	165	91.5	65.6	68.4	68.5	84.6	1112	2015	924	604	767
Max..	372	338	149	91	69	69	118	2140	2220	1490	1050	1020
Min..	342	88	88	21	68	68	72	102	1580	677	445	546
Ac.-ft.	21850	9830	5630	4030	3930	4210	5040	68380	119900	56790	37150	45660

Total run-off for period=382,400 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Pine or Los Pinos River at Ignacio, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	30	50	106	65	60	99	258	1150	284	160	63	101
2....	28	97	106	65	60	99	279	1110	310	160	56	101
3....	24	99	88	60	60	88	297	1040	338	163	56	97
4....	23	99	49	60	60	95	324	1060	346	163	61	92
5....	24	99	37	60	60	97	315	1040	320	209	59	86
6....	29	99	31	60	60	86	346	1010	306	132	55	86
7....	27	101	25	60	*60	92	356	1010	302	128	69	77
8....	24	97	35	60	60	97	306	972	292	118	64	71
9....	28	77	45	60	60	146	284	639	288	115	59	69
10....	29	75	40	60	60	212	258	611	292	101	75	75
11....	32	77	50	60	60	198	216	584	302	95	88	78
12....	33	80	50	60	65	234	198	483	306	86	90	77
13....	59	88	55	*60	65	223	212	558	310	73	99	77
14....	77	88	55	60	70	192	375	495	310	80	99	82
15....	43	90	60	65	70	179	400	604	310	95	101	80
16....	49	95	60	65	71	130	483	465	143	82	103	73
17....	43	101	*65	65	71	118	544	279	103	78	101	71
18....	39	103	65	65	69	132	544	176	82	77	146	69
19....	38	103	65	60	71	125	551	141	75	84	128	64
20....	37	108	60	65	73	130	597	122	67	92	128	59
21....	37	108	60	65	75	130	783	122	67	207	125	55
22....	39	108	60	65	80	141	909	122	63	88	149	53
23....	38	108	65	65	90	166	936	108	59	77	149	67
24....	33	110	71	60	90	189	1180	103	55	71	152	82
25....	31	110	77	60	92	212	1190	92	59	73	157	88
26....	32	110	75	60	90	223	1180	288	123	75	149	97
27....	31	110	60	65	92	250	1190	279	84	71	149	110
28....	32	112	60	65	97	279	1150	270	84	69	149	125
29....	36	108	60	65	....	310	1110	302	120	63	152	118
30....	33	108	60	65	....	324	1170	288	206	56	122	112
31....	32	....	65	65	....	279	....	288	....	63	115	....
Total	1090	2918	1860	1935	1991	5275	17941	15811	6006	3204	3268	2492
Mean.	35.2	97.3	60.0	62.4	71.1	170	598	510	200	103	105	83.1
Max..	77	112	106	65	97	324	1190	1150	346	209	157	125
Min..	23	50	25	60	60	86	198	92	55	56	55	53
Acre-ft.	2160	5790	3690	3840	3950	10460	35590	31360	11910	6360	6480	4940

Total run-off for period=126,530 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Pine or Los Pinos River at Ignacio, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	115	230	143	99	85	88	209	310	1720	915	220	661
2....	122	230	130	103	80	90	202	338	1710	846	168	661
3....	122	126	108	106	80	101	226	338	1740	854	143	654
4....	120	92	106	101	82	106	242	328	1680	846	143	640
5....	118	86	108	97	82	101	254	324	1650	879	141	634
6....	115	78	110	90	82	97	288	302	1610	870	143	628
7....	112	80	110	60	84	95	288	315	1590	854	138	598
8....	122	85	108	40	86	99	258	306	1580	774	131	568
9....	149	85	115	40	88	97	254	302	1570	668	149	556
10....	146	85	108	60	82	99	230	324	1540	562	136	544
11....	157	85	101	100	82	120	226	365	1540	410	131	520
12....	160	80	99	95	86	141	242	342	1530	388	131	487
13....	163	80	112	85	86	135	274	375	1520	350	131	470
14....	163	75	108	80	82	169	279	483	1480	283	131	465
15....	169	75	106	80	90	176	212	794	1490	276	131	450
16....	189	75	106	80	84	143	223	1260	1490	258	131	402
17....	192	75	95	80	84	169	202	1430	1480	238	133	388
18....	195	75	95	80	82	189	182	1800	1370	230	146	388
19....	230	75	103	80	82	141	176	2140	1280	258	154	370
20....	216	75	106	80	84	149	192	2000	1150	330	151	338
21....	226	48	106	80	86	130	202	1950	1150	334	154	298
22....	223	38	108	85	84	118	182	1730	1150	322	149	290
23....	223	52	108	95	88	128	195	1420	1150	290	141	256
24....	226	44	108	90	88	160	220	1880	1150	306	108	283
25....	223	39	101	85	97	179	234	1850	1200	310	104	306
26....	223	38	99	80	92	141	223	1850	1160	306	102	314
27....	220	36	108	80	86	141	230	1830	1100	302	244	318
28....	223	71	106	85	86	135	262	1790	1050	290	734	310
29....	279	112	97	85	86	135	310	1750	1080	283	682	346
30....	238	120	101	80	....	173	279	1750	960	276	675	350
31....	....	....	97	80	....	212	....	1740	....	255	668	....
Total	5609	2545	3316	2561	2466	4157	6996	33716	41870	14363	6643	13523
Mean.	181	84.8	107	82.6	85.0	134	233	1088	1396	463	214	451
Max..	279	230	143	106	97	212	310	2140	1740	915	734	661
Min..	112	36	95	40	80	88	176	302	960	230	102	283
Ac.-ft.	11130	5050	6580	5080	4890	8250	13880	66870	83050	28490	13180	26820

Total run-off for period=273,300 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Animas River at Howardsville, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	27	19	17	16	14	16	20	411	450	394	132	195
2....	26	19	17	16	15	16	22	411	499	350	132	165
3....	26	19	17	16	15	14	28	406	301	318	117	142
4....	24	19	17	14	15	14	34	362	218	286	107	126
5....	24	17	17	15	15	15	39	250	198	270	98	116
6....	23	18	16	16	15	15	44	195	222	250	102	104
7....	23	18	16	16	15	13	40	170	286	226	92	95
8....	22	18	15	16	14	13	35	142	416	207	85	89
9....	22	18	16	16	14	*13	32	117	482	207	81	82
10....	22	18	16	16	15	14	30	110	477	198	82	76
11....	22	17	16	17	*15	14	30	117	438	175	107	70
12....	24	17	16	17	15	14	31	125	362	165	109	67
13....	25	17	16	*17	15	15	34	123	270	165	102	72
14....	24	17	16	15	16	15	41	114	218	165	98	66
15....	22	17	17	15	16	15	49	104	226	186	110	63
16....	22	17	17	16	16	14	56	97	282	158	119	59
17....	22	17	17	16	16	14	64	95	384	142	128	59
18....	21	17	17	16	16	14	73	100	450	128	148	55
19....	20	17	16	15	16	14	97	104	444	121	168	51
20....	20	17	16	15	16	14	132	116	472	123	148	48
21....	20	17	16	16	16	15	140	125	499	125	126	47
22....	20	17	16	15	16	15	168	128	510	121	117	45
23....	20	17	16	16	16	15	218	150	488	123	107	44
24....	20	17	16	16	16	15	214	230	466	152	105	43
25....	19	17	16	16	16	15	198	350	516	123	105	42
26....	19	17	15	16	16	15	195	356	516	112	102	43
27....	19	17	15	16	16	16	201	262	499	110	112	45
28....	19	17	14	14	16	18	230	345	482	104	116	44
29....	19	16	15	15	....	20	278	433	438	97	123	41
30....	18	16	15	14	....	20	350	367	428	100	242	40
31....	18	....	16	15	....	20	....	406	....	160	254	....
Total	672	521	498	485	432	470	3123	6821	11937	5561	3774	2234
Mean.	21.7	17.4	16.1	15.6	15.4	15.2	104	220	398	179	122	74.5
Max..	27	19	17	17	16	20	350	433	516	394	254	195
Min..	18	16	14	14	14	13	20	95	198	97	81	40
Acre-ft.	1330	1030	988	962	857	932	6190	13530	23680	11030	7490	4430

Total run-off for period=72,450 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Animas River at Howardsville, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	40	34	27	19	17	16	18	23	565	644	152	42
2....	40	33	26	19	17	16	18	24	535	602	145	40
3....	39	33	25	19	16	16	18	23	395	590	138	40
4....	37	34	24	18	16	16	20	23	292	570	129	38
5....	36	36	23	18	16	15	22	26	264	580	123	38
6....	36	36	22	18	16	16	25	35	332	575	117	38
7....	36	34	22	18	16	18	27	51	410	525	113	37
8....	35	36	22	18	16	19	26	60	415	505	113	36
9....	34	36	22	18	*16	20	25	74	520	505	129	35
10....	33	36	22	17	17	18	23	84	626	490	119	35
11....	36	36	22	17	17	18	24	89	626	410	109	34
12....	36	36	22	15	16	18	27	131	614	363	103	33
13....	34	36	22	15	16	19	26	225	602	250	93	33
14....	36	36	22	15	16	26	24	300	656	327	85	33
15....	36	36	21	15	16	26	23	368	614	296	79	33
16....	36	36	21	15	16	24	22	445	602	280	76	32
17....	36	36	20	15	16	19	22	376	500	288	70	32
18....	36	36	20	15	16	18	22	264	565	276	68	31
19....	37	36	20	15	16	18	22	214	668	288	66	30
20....	35	36	20	15	16	18	22	264	717	336	63	30
21....	31	35	20	15	16	18	22	288	745	296	61	30
22....	35	35	20	15	16	18	21	336	745	264	59	29
23....	33	32	20	16	16	18	22	450	794	239	56	29
24....	31	33	20	17	16	18	22	475	780	236	61	29
25....	33	33	20	19	16	17	22	485	759	222	58	30
26....	34	31	20	18	16	17	22	500	787	208	54	31
27....	33	29	20	18	16	18	24	430	662	194	50	31
28....	36	29	19	18	16	16	24	490	638	187	48	30
29....	34	28	19	18	16	17	24	575	614	187	47	29
30....	36	27	20	17	....	17	22	596	638	181	45	28
31....	36	....	19	16	....	17	....	560	....	166	42	....
Total	1096	1020	662	521	467	565	681	8284	17680	11080	2671	996
Mean.	35.4	34.0	21.4	16.8	16.1	18.2	22.7	267	589	357	86.2	33.2
Max..	40	36	27	19	17	26	27	596	794	644	152	42
Min..	31	27	19	15	16	15	18	23	264	166	42	28
Acre-ft.	2170	2020	1310	1030	926	1120	1350	16430	35070	21980	5300	1980

Total run-off for period=90,690 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Animas River at Durango, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	242	235	198	166	176	220	504	3560	2440	1820	860	1280
2....	235	227	190	160	180	216	554	3490	3540	1600	764	1030
3....	239	239	194	166	170	216	682	3660	2620	1410	887	860
4....	235	239	198	166	160	216	950	3660	1830	1300	736	764
5....	223	231	198	166	173	227	1090	3140	1500	1200	650	695
6....	220	223	190	166	160	205	1230	2520	1550	1100	650	631
7....	212	227	180	173	157	194	1210	2190	1820	1030	676	554
8....	216	220	173	166	169	208	1010	1920	2240	968	600	504
9....	212	212	176	173	166	227	878	1590	2680	923	566	482
10....	220	220	183	166	166	254	779	1410	2540	941	560	452
11....	223	208	176	163	164	254	676	1420	2490	853	779	437
12....	220	208	166	169	163	242	600	1480	2220	786	914	407
13....	258	205	173	166	163	242	607	1520	1850	779	757	393
14....	274	212	160	169	163	246	669	1300	1490	750	656	417
15....	258	212	169	173	163	258	896	1110	1330	914	594	388
16....	290	205	169	169	176	250	1130	1060	1430	853	701	369
17....	274	205	173	176	180	239	1140	950	1720	736	736	355
18....	258	208	166	160	187	258	1170	977	2070	676	995	341
19....	242	205	169	157	194	235	1360	941	2060	638	1130	328
20....	250	205	169	180	201	231	1720	1010	2040	695	1060	319
21....	242	205	166	208	205	235	1830	1130	2330	714	860	311
22....	242	190	169	205	212	242	2020	1110	2390	663	816	298
23....	235	190	173	153	235	242	2380	1250	2410	650	757	294
24....	239	205	190	150	239	254	2570	1540	2190	656	750	294
25....	231	201	187	153	223	258	2330	2360	2190	603	764	286
26....	220	198	180	160	216	270	2380	2720	2330	667	736	278
27....	220	187	163	170	220	298	2330	2090	2040	577	708	290
28....	220	194	150	180	223	341	2360	2190	2020	588	663	324
29....	239	194	163	190	....	467	2650	2830	2220	566	721	324
30....	235	190	180	198	....	577	2070	2650	2000	538	869	319
31....	235	....	169	190	....	543	2620	....	....	772	1770	....
Total	7359	6300	5460	5307	5204	8365	42775	61338	63580	26966	24685	14024
Mean.	237	201	176	171	186	270	1426	1979	2119	870	796	467
Max.	290	239	198	208	239	577	3070	3660	3540	1820	1770	1280
Min.	212	187	150	150	157	194	504	941	1330	538	560	278
Ac.-ft.	14600	12500	10830	10530	10320	16590	84840	121700	126100	53490	48960	27820

Total run-off for period=538,300 acre-feet.

Discharge of Animas River at Durango, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	311	307	246	198	208	183	373	695	5370	3870	757	315
2....	307	294	242	183	198	187	373	838	5260	3590	701	305
3....	303	294	239	205	187	188	412	896	4300	3560	669	295
4....	294	303	239	208	190	201	532	923	3150	3490	638	287
5....	294	307	242	176	194	205	676	1020	2620	3300	650	280
6....	286	303	254	216	212	176	772	1380	2830	3200	644	272
7....	278	286	250	227	194	176	887	2030	3700	3070	588	265
8....	270	270	242	212	201	183	816	2330	3990	2470	588	250
9....	262	286	258	212	208	190	808	2440	4400	2590	638	245
10....	262	298	246	212	201	208	714	2710	5260	2440	695	239
11....	262	286	235	235	187	220	650	2410	5680	2280	600	235
12....	290	282	231	216	169	231	695	2620	5310	1850	560	231
13....	290	282	235	208	201	227	743	3560	4650	1760	538	235
14....	278	282	246	205	180	246	695	4300	4790	1610	482	231
15....	278	282	227	220	183	235	619	5030	4770	1440	462	239
16....	274	278	212	223	190	198	607	5820	4850	1340	462	246
17....	266	274	208	201	183	246	577	5860	3950	1350	457	239
18....	258	278	220	208	194	282	543	3820	3880	1360	437	227
19....	303	274	242	208	180	286	526	3140	4370	1270	452	223
20....	328	270	254	205	169	278	566	3300	4930	1650	442	227
21....	307	266	246	205	173	290	588	3480	5330	1590	432	239
22....	298	266	235	201	180	266	538	3720	5110	1370	417	250
23....	298	298	235	208	180	262	549	4350	4710	1200	398	227
24....	282	290	223	205	190	262	588	5160	5030	1130	417	227
25....	274	278	187	194	194	282	625	4910	5150	1140	437	231
26....	290	254	201	194	187	282	600	4480	4690	1050	407	266
27....	290	254	198	183	180	266	631	4150	5030	1020	383	294
28....	290	250	208	235	166	262	764	4300	4280	950	354	324
29....	350	254	190	216	173	258	779	5200	4080	878	345	315
30....	355	250	187	205	....	282	695	5530	4080	869	330	294
31....	355	....	201	198	....	332	....	5480	....	808	322	....
Total	9083	8396	7099	6422	5452	7400	18941	105892	135550	59495	15702	7753
Mean.	293	280	229	207	188	239	631	3416	4518	1919	507	258
Max.	355	307	258	235	212	332	887	5860	5680	3870	757	324
Min.	258	250	187	176	166	176	373	695	2620	808	322	227
Ac.-ft.	18020	16650	14080	12740	10810	14680	37570	210000	268900	118000	31140	15380

Total run-off for period=768,000 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Mineral Creek Near Silverton, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	33	26	19	14	14	15	29	318	324	306	127	208
2....	32	26	21	14	14	16	37	322	425	278	162	166
3....	31	26	21	14	14	14	48	338	262	254	198	133
4....	30	25	21	12	13	17	54	302	201	243	139	110
5....	30	20	18	13	14	15	59	226	180	232	118	95
6....	29	24	18	13	14	14	62	180	204	222	162	82
7....	30	22	18	13	14	16	52	156	274	201	133	74
8....	29	22	17	13	14	16	44	124	354	187	127	67
9....	29	22	18	13	14	16	40	100	378	190	124	63
10....	29	20	18	13	14	16	35	95	346	187	176	59
11....	30	20	18	13	14	15	30	105	334	165	274	55
12....	32	18	17	13	14	15	32	118	290	162	229	52
13....	35	19	17	13	14	14	37	118	226	162	176	57
14....	34	21	17	13	14	15	48	100	187	198	142	56
15....	34	22	16	13	14	14	64	88	187	250	142	52
16....	34	21	16	13	14	14	80	82	240	180	173	48
17....	32	22	16	13	15	14	86	86	322	145	162	48
18....	30	22	16	12	15	13	95	92	366	130	218	46
19....	29	22	15	12	16	14	108	90	374	124	240	44
20....	28	20	15	12	17	14	127	102	394	162	204	42
21....	28	18	15	13	17	14	133	115	435	142	166	40
22....	27	17	15	14	19	16	166	108	445	130	148	39
23....	27	21	15	13	19	14	194	142	420	121	133	38
24....	27	20	15	12	17	14	204	232	394	105	156	38
25....	26	20	15	10	17	14	187	314	430	90	145	37
26....	25	18	15	12	16	16	190	314	410	84	124	37
27....	24	20	14	14	17	17	198	240	390	84	108	42
28....	26	20	13	14	17	22	208	262	378	82	118	43
29....	25	18	13	14	....	28	250	314	354	78	127	40
30....	24	20	14	14	....	28	298	282	330	86	310	38
31....	23	....	14	14	....	25	....	290	....	208	278	....
Total	903	632	510	403	425	505	3195	5755	9864	5189	5239	1949
Mean.	29.1	21.1	16.5	13.0	15.2	16.3	106	186	329	167	169	65.0
Max..	35	26	21	14	19	28	298	338	445	306	310	208
Min..	23	17	13	10	13	13	29	82	180	78	108	37
Acre-ft.	1790	1250	1010	799	843	1000	6340	11410	19560	10290	10390	3870

Total run-off for period=68,550 acre-feet.

Discharge of Mineral Creek Near Silverton, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	37	32	26	19	17	16	19	33	510	646	145	47
2....	37	31	25	19	15	17	19	35	480	630	140	46
3....	35	31	24	19	15	17	22	33	362	657	136	43
4....	34	31	23	19	15	16	29	35	278	596	126	42
5....	33	32	23	19	16	14	33	34	262	608	118	40
6....	33	32	22	19	16	15	38	45	325	602	114	40
7....	33	32	22	18	16	16	45	70	435	525	110	42
8....	32	32	21	17	16	18	44	95	455	486	110	39
9....	32	32	21	18	17	19	44	121	547	525	132	38
10....	31	32	22	18	17	18	39	124	602	492	124	36
11....	33	33	21	15	16	17	40	110	608	400	114	35
12....	33	33	21	16	15	17	44	170	569	345	103	34
13....	31	33	21	15	18	13	43	243	564	345	98	32
14....	33	33	21	15	15	4.2	39	298	624	316	89	32
15....	34	33	20	15	16	4.8	35	358	602	270	84	35
16....	34	33	19	15	16	6.2	35	382	586	252	84	34
17....	34	33	19	15	17	8.2	33	318	481	252	81	32
18....	34	33	19	15	16	16	32	243	569	234	79	31
19....	33	32	19	15	15	29	31	236	662	262	76	30
20....	33	31	19	15	16	26	31	246	738	350	76	29
21....	33	31	19	15	16	24	30	262	792	270	74	28
22....	37	29	19	14	16	25	28	310	756	220	69	28
23....	36	32	19	15	15	24	29	374	744	195	67	28
24....	33	30	19	17	16	22	30	398	804	206	77	28
25....	32	29	19	18	16	21	30	382	756	195	77	31
26....	32	28	19	17	16	19	30	362	804	183	67	37
27....	32	28	19	17	16	19	32	366	702	177	62	52
28....	34	28	19	16	15	18	31	435	662	171	58	55
29....	33	27	19	17	15	18	30	526	679	183	55	47
30....	32	26	19	15	....	18	31	505	690	168	52	43
31....	33	....	19	13	....	19	....	490	....	160	49	....
Total	1037	932	637	510	461	534.4	996	7639	17648	10921	2846	1114
Mean.	33.5	31.1	20.5	16.5	15.9	17.2	33.2	246	588	352	91.8	37.1
Max..	37	33	26	19	18	29	45	526	804	457	145	55
Min..	31	26	19	13	15	4.2	19	33	262	160	49	28
Acre-ft.	2060	1850	1260	1010	914	1060	1980	15150	35000	21660	5640	2210

Total run-off for period=89,790 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Hermosa Creek at Hermosa Park, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	7.8	8.4	....	....	....	....	....	....	....	....	....	....
2....	7.8	9.0	....	....	....	....	....	....	....	....	....	....
3....	7.8	9.0	....	....	....	....	....	....	....	....	....	....
4....	7.5	8.7	....	....	....	....	....	....	....	....	....	....
5....	7.5	8.7	....	....	....	....	....	....	....	....	....	....
6....	7.5	8.4	....	....	....	....	....	....	....	....	....	....
7....	7.5	8.7	....	....	....	....	....	....	....	....	....	....
8....	7.5	7.2	....	....	....	....	....	....	....	....	....	....
9....	7.5	7.2	....	....	....	....	....	....	....	....	....	....
10....	7.5	7.2	....	....	....	....	....	....	....	....	....	....
11....	8.4	7.0	....	....	....	....	....	....	....	....	....	....
12....	9.0	7.0	....	....	....	....	....	....	....	....	....	....
13....	12	7.0	....	....	....	....	....	....	....	....	....	....
14....	9.8	7.0	....	....	....	....	....	....	....	....	....	....
15....	9.8	6.8	....	....	....	....	....	....	....	....	....	....
16....	11	6.6	....	....	....	....	....	....	....	....	....	....
17....	9.8	6.6	....	....	....	....	....	....	....	....	....	....
18....	9.4	6.6	....	....	....	....	....	....	....	....	....	....
19....	8.7	6.6	....	....	....	....	....	....	....	....	....	....
20....	8.4	7.0	....	....	....	....	....	....	....	....	....	....
21....	8.4	6.6	....	....	....	....	....	....	....	....	....	....
22....	8.1	6.2	....	....	....	....	....	....	....	....	....	....
23....	8.4	6.6	....	....	....	....	....	....	....	....	....	....
24....	8.1	7.0	....	....	....	....	....	....	....	....	....	....
25....	8.1	7.0	....	....	....	....	....	....	....	....	....	....
26....	8.1	7.0	....	....	....	....	....	....	....	....	....	....
27....	8.1	7.0	....	....	....	....	....	....	....	....	....	....
28....	8.4	7.0	....	....	....	....	....	....	....	....	....	....
29....	8.4	7.0	....	....	....	....	....	....	....	....	....	....
30....	8.4	7.0	....	....	....	....	....	....	....	....	....	....
31....	8.4	....	....	....	....	....	....	....	....	....	....	....
Total	263.1	219.1	....	....	....	....	....	....	....	....	....	....
Mean.	8.49	7.30	....	....	....	....	....	....	....	....	....	....
Max..	12	9.0	....	....	....	....	....	....	....	....	....	....
Min..	7.5	6.2	....	....	....	....	....	....	....	....	....	....
Acre-ft.	522	435	....	....	....	....	....	....	....	....	....	....

Total run-off for period=..... acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Hermosa Creek Near Hermosa, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	25	26	22	22	19	23	141	802	426	89	70	73
2....	25	26	22	23	16	24	187	795	502	81	73	65
3....	25	26	22	22	16	25	260	788	375	76	97	56
4....	25	26	22	21	17	25	299	830	302	70	64	52
5....	25	24	21	20	17	24	316	730	274	65	60	48
6....	25	26	20	22	17	23	360	580	274	60	92	45
7....	24	25	19	21	17	23	340	532	285	60	74	43
8....	25	24	21	21	17	22	271	455	299	60	62	41
9....	25	24	21	21	17	25	236	375	306	56	60	39
10....	25	23	22	20	17	27	187	336	299	52	70	38
11....	27	22	21	19	17	26	148	340	292	50	135	36
12....	28	21	21	19	17	24	128	356	260	50	108	33
13....	34	22	22	19	17	26	139	370	226	45	81	34
14....	32	22	22	19	17	29	201	336	187	44	72	40
15....	32	22	22	19	17	30	292	310	171	72	67	36
16....	34	23	22	20	18	28	336	288	168	50	89	33
17....	32	22	22	20	19	33	320	274	165	44	72	31
18....	30	22	22	20	21	36	340	271	165	41	112	31
19....	28	22	22	15	21	41	410	250	168	39	89	30
20....	28	23	22	18	23	45	484	264	162	51	76	28
21....	27	22	22	21	24	34	520	282	153	44	67	28
22....	26	19	22	22	27	25	592	278	148	41	76	27
23....	26	21	22	22	28	26	664	290	137	40	70	27
24....	26	22	23	19	26	24	670	340	126	41	84	27
25....	26	22	21	18	24	29	622	430	124	45	76	27
26....	26	21	20	20	22	39	646	380	124	39	65	28
27....	26	21	19	21	23	61	604	375	116	40	60	35
28....	26	22	22	22	23	89	604	410	105	51	53	46
29....	28	21	22	21	....	150	670	532	105	56	65	36
30....	25	22	23	20	....	180	754	484	108	50	89	31
31....	26	....	22	19	....	137	....	445	....	85	102	....
Total	842	684	668	626	554	1353	11741	13528	6551	1687	2430	1144
Mean.	27.2	22.8	21.5	20.2	19.8	43.6	391	436	218	54.4	78.4	38.1
Max..	34	26	23	23	28	180	754	830	502	89	135	73
Min..	24	19	19	15	16	22	128	250	105	39	53	27
Acre-ft.	1670	1360	1320	1240	1100	2680	23290	26830	12990	3350	4820	2270

Total run-off for period=82,920 acre-feet.

Discharge of Hermosa Creek Near Hermosa, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	29	31	31	25	17	21	160	262	1000	393	50	29
2....	31	32	32	24	16	22	148	340	894	351	50	29
3....	30	*29	32	28	18	24	218	312	822	357	48	28
4....	28	31	31	28	17	23	345	345	706	318	45	27
5....	27	31	28	27	17	23	435	595	686	286	45	27
6....	26	25	24	32	16	23	472	933	699	254	47	28
7....	26	20	24	*33	18	24	498	1080	842	222	43	30
8....	26	22	25	32	19	25	369	1090	855	197	43	28
9....	25	23	24	32	21	25	340	1130	868	181	47	27
10....	24	23	27	32	*22	26	262	1140	920	166	49	27
11....	24	24	28	33	21	29	246	1010	888	151	42	27
12....	24	24	29	30	19	36	306	1200	790	136	40	26
13....	28	24	29	29	21	36	301	1360	680	126	38	26
14....	28	23	26	29	24	33	254	1630	673	118	36	25
15....	27	23	26	30	25	32	207	1720	686	112	35	27
16....	26	23	27	30	22	37	210	1680	686	106	35	28
17....	26	22	25	28	24	34	184	1550	660	100	34	27
18....	26	22	20	26	22	48	175	1020	647	96	33	26
19....	43	21	20	26	20	48	172	985	647	94	37	25
20....	42	20	23	28	19	49	214	959	673	122	39	25
21....	34	20	22	28	19	44	197	1000	673	88	44	25
22....	34	25	21	27	21	41	172	1120	647	81	39	25
23....	31	24	21	19	21	38	184	1310	621	78	36	24
24....	30	23	22	23	21	48	222	1350	588	79	44	26
25....	31	22	21	25	21	64	200	1220	562	76	43	33
26....	31	22	24	24	19	55	181	1070	556	68	38	43
27....	30	24	22	19	19	51	214	959	517	64	35	45
28....	32	27	24	21	19	50	318	985	465	62	32	45
29....	43	28	23	22	19	54	282	1100	441	59	31	38
30....	45	27	24	21	....	74	234	1040	423	56	30	32
31....	39	....	26	17	....	134	....	1020	....	53	29	....
Total	956	735	781	828	577	1271	7720	32515	20815	4650	1237	878
Mean.	30.8	24.5	25.2	26.7	19.9	41.0	257	1049	694	150	39.9	29.3
Max..	45	32	32	33	25	134	498	1720	1000	393	50	45
Min..	24	20	20	17	16	21	148	262	423	53	29	24
Acre-ft.	1900	1460	1550	1640	1140	2520	15310	64490	41290	9220	2450	1740

Total run-off for period=144,700 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Lightner Creek Near Durango, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.6	2.4	1.8	....	....	5.3	112	114	30	11	4.6	4.6
2....	1.6	2.4	2.0	....	....	5.4	134	107	35	9.9	3.8	3.8
3....	1.9	2.2	2.0	....	....	5.5	167	100	26	9.6	3.6	4.0
4....	1.8	2.6	2.2	....	....	5.7	183	126	22	9.0	3.4	4.2
5....	1.6	2.2	2.4	....	....	6.0	179	103	21	7.8	3.2	3.6
6....	1.8	2.4	2.0	....	....	6.2	188	71	20	6.9	3.2	3.6
7....	2.0	2.6	1.6	....	....	6.0	170	63	20	6.9	3.6	3.8
8....	1.9	2.6	1.6	....	....	6.2	132	56	20	6.0	3.2	3.6
9....	1.6	2.2	1.6	....	....	6.7	115	44	21	5.4	3.2	3.0
10....	1.8	2.2	1.6	....	....	7.8	95	37	20	5.6	3.6	3.0
11....	1.8	2.0	1.5	....	....	8.9	72	36	19	5.4	3.6	3.4
12....	1.8	2.0	1.5	....	....	10	60	36	18	5.4	3.4	3.8
13....	2.0	2.4	1.5	....	....	11	60	37	18	5.6	3.4	3.0
14....	2.6	2.4	1.5	....	....	11	79	32	15	5.4	4.2	2.8
15....	2.0	2.2	1.5	....	....	11	105	30	13	5.2	3.8	3.2
16....	2.6	2.2	1.5	....	....	11	122	27	12	5.2	3.2	3.2
17....	2.2	2.2	1.5	....	....	12	108	24	12	5.2	3.4	2.8
18....	2.0	2.2	1.5	....	....	12	110	24	12	4.8	1.2	3.2
19....	2.0	2.0	*1.5	....	....	9.3	112	24	13	4.2	8.4	3.0
20....	2.0	2.0	1.5	....	....	11	122	24	13	4.2	3.8	2.4
21....	2.6	2.2	1.5	....	....	11	128	23	13	4.8	4.4	2.4
22....	2.2	1.9	1.5	....	....	12	124	24	12	4.4	4.6	2.2
23....	2.2	1.8	1.5	....	....	15	132	20	12	4.4	5.2	1.9
24....	2.4	2.0	1.5	....	....	22	130	24	11	4.8	4.6	1.8
25....	2.2	2.2	1.5	*1.5	....	33	119	28	11	4.4	4.4	2.0
26....	2.2	2.0	1.5	....	....	44	115	30	11	4.4	3.8	1.9
27....	2.2	1.9	1.5	....	....	65	103	29	11	4.0	3.8	2.2
28....	2.6	2.0	1.5	....	....	82	103	29	11	3.8	4.0	3.0
29....	3.0	1.8	1.5	....	....	124	107	48	12	3.4	4.0	3.0
30....	2.4	1.8	1.5	....	....	136	115	41	12	3.4	3.8	2.8
31....	2.4	....	1.5	....	....	107	....	33	....	4.6	5.2	....
Total	65.0	65.5	50.3	46.5	98.0	819.0	2601	1444	496	175.1	132.4	91.2
Mean.	2.10	2.17	1.62	1.50	3.50	26.4	120	46.6	16.5	5.65	4.27	3.04
Max..	3.0	2.6	2.4	....	....	136	188	126	35	11	12	4.6
Min..	1.6	1.8	1.5	....	....	5.3	60	20	11	3.4	3.2	1.8
Acre-ft.	129	129	100	92	194	1620	7140	2860	984	347	263	181

Total run-off for period=14,040 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Lightner Creek Near Durango, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	2.8	3.4	2.6	....	....	1.7	58	92	95	20	3.4	3.2
2....	3.4	3.8	2.2	....	....	1.7	68	103	85	20	3.4	3.4
3....	3.4	4.0	1.8	....	....	1.7	79	97	81	18	3.6	3.4
4....	3.4	3.0	1.7	....	....	1.7	117	99	57	19	3.4	3.2
5....	3.4	2.6	2.0	....	....	1.7	134	124	46	20	3.6	3.2
6....	3.8	2.8	2.0	....	....	1.7	132	176	58	16	3.6	3.2
7....	3.4	3.0	1.8	....	....	1.7	117	214	83	15	3.6	2.8
8....	3.2	2.6	2.0	....	....	1.7	86	211	86	14	3.6	3.0
9....	3.2	3.0	2.4	....	....	1.7	83	200	83	14	4.2	3.2
10....	3.2	3.2	1.9	....	....	1.7	72	206	82	12	4.2	3.0
11....	3.0	3.0	1.9	....	....	1.8	79	176	76	11	4.2	2.8
12....	3.0	2.6	1.9	....	....	1.7	82	160	61	11	4.2	3.0
13....	3.0	2.6	2.0	....	....	1.6	97	206	49	8.7	4.0	2.8
14....	3.4	2.8	2.4	....	....	2.2	70	328	51	7.5	3.4	2.8
15....	3.2	2.4	2.6	....	....	2.2	56	321	47	6.6	3.6	2.8
16....	3.2	2.6	2.2	....	....	2.0	65	282	45	4.8	3.4	3.2
17....	3.4	2.8	1.7	....	....	3.4	48	206	34	3.6	3.4	3.0
18....	3.4	2.4	1.7	....	....	5.6	44	130	34	3.4	3.6	2.8
19....	3.4	2.4	1.7	....	....	5.4	46	119	34	4.2	4.0	2.8
20....	3.4	2.4	1.7	....	....	5.0	52	128	34	9.0	3.6	2.8
21....	3.2	2.6	1.7	....	....	4.8	48	120	35	11	3.2	2.6
22....	3.2	2.2	1.7	....	....	4.6	75	134	32	8.1	3.4	2.6
23....	3.4	2.8	1.7	....	....	4.8	107	158	30	7.2	3.2	2.8
24....	3.4	2.8	1.7	....	....	6.9	100	160	29	5.8	3.2	2.8
25....	3.4	2.4	1.7	....	....	12	94	120	32	5.0	3.4	2.8
26....	3.6	2.2	1.7	....	....	11	82	91	26	4.8	3.6	3.4
27....	3.8	2.4	1.7	....	....	11	82	95	26	4.4	3.4	5.2
28....	3.8	2.4	1.7	....	....	15	107	107	24	3.6	3.0	6.6
29....	4.8	2.2	1.7	....	....	18	117	126	21	3.4	3.0	5.2
30....	3.8	2.2	1.7	....	....	32	117	105	20	3.4	3.0	5.2
31....	3.8	....	1.7	....	....	52	....	105	....	3.4	3.0	....
Total	105.2	81.6	58.9	46.5	43.5	220.0	2514	4899	1496	378.9	109.4	99.6
Mean.	3.39	2.72	1.90	1.50	1.50	7.10	83.8	158	49.9	12.2	3.53	3.32
Max..	4.8	4.0	2.6	....	....	52	134	328	95	9.0	4.2	6.6
Min..	2.8	2.2	1.7	....	....	1.6	44	91	20	3.4	3.0	2.6
Acre-ft.	209	162	117	92	86	436	4990	9720	2970	752	217	198

Total run-off for period=19,950 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Florida River Near Durango, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	8.6	16	8.6	8.2	8.9	12	73	660	466	163	41	90
2....	7.6	16	10	8.1	9.0	12	87	643	535	131	44	68
3....	7.2	16	9.8	8.2	8.8	12	111	648	331	113	43	56
4....	7.2	16	9.8	8.2	8.0	12	124	616	255	96	38	47
5....	6.8	14	9.8	8.2	8.2	12	129	438	232	81	39	38
6....	6.8	15	9.0	8.2	8.2	12	153	331	262	71	33	34
7....	6.8	16	8.5	8.5	7.8	11	161	274	295	63	52	32
8....	7.2	16	8.5	8.2	8.3	11	134	238	339	60	47	30
9....	7.6	16	8.8	8.5	8.3	12	115	202	344	62	41	28
10....	7.6	14	9.0	8.2	8.4	13	98	179	307	59	41	25
11....	8.0	14	9.0	8.2	8.4	14	83	189	322	53	53	22
12....	8.6	13	8.1	8.4	8.4	14	76	230	295	44	62	19
13....	18	15	8.6	8.2	8.5	13	79	244	252	41	56	18
14....	18	13	8.0	8.4	8.5	14	94	208	210	41	83	18
15....	17	13	8.2	8.4	8.5	14	115	184	202	49	77	20
16....	26	13	8.4	8.3	9.0	14	129	168	208	44	96	18
17....	24	12	8.6	8.6	9.2	14	131	171	216	36	111	16
18....	19	13	8.3	7.8	9.8	14	127	197	224	32	184	17
19....	17	13	8.4	7.6	9.9	14	138	202	208	28	171	15
20....	18	13	*8.5	8.8	10	14	163	249	205	38	111	13
21....	18	13	8.3	10	10	14	187	238	200	38	83	13
22....	17	16	8.4	9.8	11	15	216	278	194	34	68	12
23....	17	16	8.8	7.8	11	16	274	365	187	32	57	12
24....	18	17	9.5	7.7	12	17	322	457	166	34	59	12
25....	17	16	9.2	7.7	12	19	326	561	163	33	57	12
26....	15	13	8.9	7.8	12	26	322	525	161	30	49	15
27....	16	13	8.2	7.9	12	36	348	383	145	30	43	20
28....	16	12	7.6	7.9	12	52	406	429	134	36	39	31
29....	18	9.8	8.0	*7.9	....	65	490	499	184	29	73	26
30....	15	9.8	9.0	8.5	....	76	605	457	224	25	100	21
31....	15	....	8.4	8.7	....	71	....	424	....	37	127	....
Total	429.0	422.6	270.2	256.9	266.1	665	5816	10887	7466	1663	2178	798
Mean.	13.8	14.1	8.72	8.29	9.50	21.5	194	351	249	53.6	70.3	26.0
Max..	26	17	10	10	12	76	605	660	535	163	184	90
Min..	6.8	9.8	7.6	7.6	7.8	16	73	168	134	25	33	12
Acre-ft.	851	838	536	510	528	1320	11540	21590	14810	3300	4320	1580

Total run-off for period=61,720 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Florida River Near Durango, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	18	22	16	8	5	7	34	111	804	383	37	15
2....	22	23	18	7	*4	*8	38	129	704	335	35	16
3....	22	25	13	10	4	10	42	120	509	331	32	15
4....	22	23	16	11	4	12	60	122	361	299	27	13
5....	20	23	16	9	6	14	74	155	307	335	26	13
6....	20	22	14	12	10	8	92	208	335	326	25	13
7....	19	22	13	10	8	7	98	246	546	284	23	13
8....	20	26	12	9	10	7	90	268	561	244	22	13
9....	19	26	14	8	12	10	85	288	726	221	26	12
10....	18	21	12	*8	8	12	74	326	924	192	31	11
11....	18	18	10	10	6	15	77	331	924	171	26	11
12....	22	18	9	8	5	14	92	326	798	148	25	10
13....	21	19	11	6	8	16	98	429	698	129	21	9.8
14....	21	17	15	6	7	17	81	632	709	115	19	8.0
15....	20	14	12	8	8	13	73	774	738	120	18	8.6
16....	20	13	10	9	9	12	74	774	720	104	14	11
17....	18	13	9	9	9	12	66	654	567	90	13	11
18....	18	15	11	7	9	15	62	429	648	94	15	11
19....	30	16	15	7	7	15	65	429	714	90	22	10
20....	26	16	16	8	5	17	71	462	738	176	25	10
21....	24	15	*13	8	8	18	63	499	720	134	24	9.2
22....	25	15	12	8	9	15	63	551	638	107	19	8.0
23....	22	18	12	7	8	12	76	660	638	87	17	8.6
24....	20	19	10	7	9	10	90	744	654	85	23	9.8
25....	20	16	9	7	10	10	92	616	567	81	32	12
26....	21	15	10	6	9	12	87	583	556	68	31	18
27....	22	16	11	5	7	12	94	540	525	60	22	22
28....	25	16	9	9	5	13	111	626	443	55	19	21
29....	32	16	8	8	5	16	111	744	434	52	18	21
30....	31	16	9	6	....	22	102	792	438	47	17	21
31....	28	....	9	5	....	29	....	798	....	42	16	....
Total	684	554	374	246	214	406	2335	14366	18644	5005	720	385.0
Mean.	22.1	18.5	12.1	7.94	7.38	13.1	77.8	463	621	161	23.2	12.8
Max..	32	26	18	12	12	29	111	798	924	383	37	22
Min..	18	13	8	5	4	7	34	111	307	42	13	8.0
Acre-ft.	1360	1100	742	488	424	805	4360	28490	36980	9930	1430	764

Total run-off for period=87,140 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of La Plata River at Hesperus, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	7.2	8.0	5.6	5.3	4.5	8.2	31	411	163	41	18	15
2....	7.2	8.0	5.7	5.3	4.4	7.6	42	388	193	33	19	15
3....	7.2	8.0	6.0	5.1	4.4	7.3	114	375	126	23	18	15
4....	6.4	8.0	6.2	4.9	4.4	8.0	142	357	90	26	18	15
5....	6.4	9.2	6.2	5.0	4.3	8.2	150	242	72	23	18	15
6....	6.4	9.2	5.8	5.2	4.3	7.6	152	176	83	24	19	14
7....	6.4	9.2	5.7	5.2	4.3	8.6	140	158	104	23	18	14
8....	6.8	8.8	5.5	5.2	4.3	8.5	119	140	121	26	18	12
9....	6.4	8.8	5.5	5.2	4.3	8.5	98	114	126	32	18	12
10....	7.2	8.4	6.1	5.2	4.3	9.4	81	100	112	40	18	11
11....	7.2	8.0	5.4	5.1	4.3	10	66	112	96	35	18	11
12....	8.0	8.0	5.0	5.1	4.3	11	58	145	83	34	18	11
13....	9.2	8.0	5.1	5.1	4.3	12	60	152	58	33	16	11
14....	8.8	8.0	5.2	5.1	4.4	12	78	130	44	32	16	10
15....	8.4	5.7	5.3	5.1	4.4	11	110	104	44	32	16	9.6
16....	9.6	5.7	5.4	5.2	4.6	11	124	94	57	30	17	8.0
17....	9.2	5.7	5.4	5.3	5.0	*11	126	96	63	27	17	8.0
18....	9.2	5.7	5.4	4.9	5.4	12	145	106	87	24	20	8.0
19....	8.0	6.0	*5.4	4.6	5.8	12	155	102	106	23	17	7.2
20....	7.2	6.0	5.3	5.1	6.5	12	196	121	102	22	17	7.2
21....	6.4	8.4	5.3	5.3	7.2	11	211	133	100	21	19	7.2
22....	6.4	8.0	5.2	5.3	8.2	11	217	128	94	22	20	7.6
23....	6.8	7.2	5.3	5.0	9.3	11	286	124	98	20	20	6.0
24....	8.0	7.6	5.6	4.8	8.8	11	310	163	96	21	21	6.0
25....	6.8	7.6	5.5	*4.7	8.2	11	260	193	100	20	19	6.8
26....	6.0	8.0	5.7	4.8	8.4	12	275	190	100	18	19	6.0
27....	6.8	7.2	4.9	5.2	8.6	12	275	176	92	18	18	6.0
28....	7.2	7.2	5.2	5.2	8.4	14	294	193	87	18	18	4.5
29....	8.8	6.4	5.6	5.2	....	16	380	231	61	17	18	3.9
30....	8.4	6.4	5.6	5.0	....	29	425	176	45	18	20	4.2
31....	8.0	....	5.2	4.7	....	28	....	158	....	18	17	....
Total	232.0	226.4	170.3	157.4	159.6	361.9	5120	5488	2803	804	563	287.2
Mean.	7.48	7.55	5.49	5.08	5.70	11.7	171	177	93.4	25.9	18.2	9.57
Max..	9.6	9.2	6.2	5.3	9.3	29	425	411	193	41	21	15
Min..	6.0	5.7	4.9	4.6	4.3	7.3	31	94	44	17	16	3.9
Acre-ft.	460	449	338	312	317	718	10160	10890	5560	1590	1120	570

Total run-off for period=32,480 acre-feet.

*Winter discharge measurement made on this day.

Discharge of La Plata River at Hesperus, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	4.2	13	8.0	7.0	8.0	8.9	11	69	345	90	25	7.7
2....	4.2	13	7.6	6.9	8.3	9.1	14	72	274	76	20	7.4
3....	4.8	14	6.4	7.3	*8.4	9.0	17	71	201	90	19	6.7
4....	4.8	14	6.4	7.2	8.7	8.6	23	74	137	100	18	6.4
5....	5.4	12	6.0	6.6	8.9	8.2	61	87	138	67	17	6.7
6....	6.0	12	6.0	7.4	8.4	*7.8	126	140	210	62	18	6.7
7....	6.4	12	6.0	9.0	8.2	7.8	130	211	301	56	17	6.4
8....	6.8	12	6.0	7.6	7.9	8.0	100	224	318	56	17	6.4
9....	7.2	12	6.8	7.0	7.6	8.2	88	231	404	56	19	6.2
10....	4.5	11	6.8	7.0	7.4	8.3	71	231	516	53	17	6.2
11....	3.3	10	6.4	*7.2	7.0	8.4	64	193	364	43	16	6.2
12....	3.3	10	6.4	6.8	7.2	8.7	71	208	290	38	15	6.2
13....	3.3	10	6.4	6.6	8.0	8.8	69	319	254	35	14	6.2
14....	3.3	9.6	6.4	6.6	7.9	9.0	58	443	254	33	14	6.2
15....	3.6	9.6	6.4	6.9	8.6	8.6	50	661	243	29	14	6.7
16....	3.9	8.8	6.8	7.0	8.6	8.4	49	594	215	25	14	6.2
17....	3.9	9.2	7.0	7.0	8.6	8.0	42	398	158	25	14	5.9
18....	3.9	10	8.0	7.3	8.4	8.2	42	263	179	30	14	5.9
19....	17	11	9.2	7.6	8.2	8.8	43	242	201	39	16	5.6
20....	15	11	*9.6	7.8	8.2	9.0	42	265	220	60	14	5.6
21....	12	10	9.8	8.0	8.0	9.0	41	250	220	45	12	5.4
22....	11	10	9.9	8.0	8.2	8.7	41	290	192	39	11	5.4
23....	11	10	9.0	8.3	8.6	7.8	44	328	166	37	10	5.6
24....	11	10	8.4	8.6	9.0	7.4	48	558	170	40	12	5.4
25....	11	10	8.0	8.4	9.2	7.8	48	427	153	38	10	6.4
26....	11	10	7.2	7.9	8.8	9.0	49	301	162	36	9.7	7.4
27....	12	10	7.0	7.5	8.8	8.4	52	269	141	33	9.3	7.7
28....	11	9.2	7.0	6.8	9.0	7.6	60	254	122	32	9.3	7.4
29....	17	9.2	6.9	7.4	9.0	8.8	58	461	110	30	9.0	7.0
30....	14	8.8	7.0	8.8	....	10	58	352	90	30	8.4	7.0
31....	14	....	7.0	8.0	....	8.8	....	334	....	27	8.0	....
Total	249.8	321.4	225.8	231.5	241.1	263.1	1675	8820	6748	1450	440.7	192.2
Mean.	8.06	10.7	7.28	7.47	8.31	8.49	55.8	285	225	46.8	14.2	6.41
Max..	17	14	9.9	9.0	9.2	10	130	661	516	100	25	7.7
Min..	3.3	8.8	6.0	6.6	7.0	7.4	11	69	90	25	8.0	5.4
Acre-ft.	495	637	448	459	478	522	3320	17490	13380	2880	874	381

Total run-off for period=41,360 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of La Plata River at Colorado-New Mexico State Line for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.6	2.4	6.8	13	15	15	82	209	76	3.8	12	2.4
2....	0.9	2.8	7.9	12	17	15	100	166	111	0.9	6.4	1.4
3....	0.5	3.2	8.7	12	16	14	129	170	61	0	6.0	1.1
4....	0.5	3.8	11	15	14	18	209	180	48	0	5.7	1.2
5....	0.5	4.0	14	18	18	20	215	148	58	0	6.0	1.1
6....	0.5	4.0	11	17	13	16	242	83	58	0	5.7	1.0
7....	0.8	4.0	10	14	14	16	244	53	70	0	5.4	1.0
8....	0.8	3.5	12	16	14	15	209	42	31	0	4.6	1.1
9....	0.8	3.5	14	17	15	17	178	36	9.8	0	4.3	1.4
10....	0.8	3.5	14	14	11	21	152	27	5.2	3.2	5.4	1.8
11....	0.9	3.5	13	13	12	25	120	21	3.0	18	3.5	1.8
12....	0.5	3.5	13	13	13	24	100	21	1.8	21	3.5	2.0
13....	2.0	3.5	14	13	14	21	89	30	1.2	22	3.5	2.6
14....	1.8	3.8	14	16	17	24	95	53	1.0	22	3.2	3.2
15....	1.8	3.5	14	12	22	24	110	59	1.1	24	3.2	3.5
16....	5.2	3.8	14	12	29	18	135	49	0.9	24	4.0	2.8
17....	5.2	4.0	14	11	31	20	126	44	0	19	5.2	3.0
18....	2.8	6.0	14	10	31	26	129	49	0.9	17	11	3.0
19....	2.8	6.0	12	8	31	22	154	52	72	18	7.9	3.2
20....	2.6	6.8	12	9	32	20	196	58	89	10	6.4	3.8
21....	2.6	6.8	13	12	27	19	239	63	89	2.6	5.4	3.8
22....	3.0	6.4	15	20	25	19	231	63	84	0	3.8	3.5
23....	2.8	6.4	16	18	22	19	259	55	79	0	3.2	3.2
24....	2.6	7.9	16	16	19	19	272	63	84	0	3.8	3.2
25....	2.6	7.5	22	13	19	22	213	110	80	0	4.6	3.8
26....	2.4	6.0	21	12	17	31	198	89	103	0.1	4.3	4.9
27....	2.2	6.8	19	14	16	45	182	70	87	0.1	4.3	3.2
28....	2.2	7.9	21	13	16	75	172	104	86	0.1	4.3	6.4
29....	5.4	5.7	22	16	....	85	170	129	33	0.1	3.2	3.8
30....	4.0	7.5	21	15	....	100	198	87	9.8	0.1	3.0	2.4
31....	2.8	....	17	15	....	80	....	51	....	19	3.8	....
Total	64.9	148.0	446.4	429	540	905	5148	2434	1433.7	225.0	156.6	80.6
Mean.	2.09	4.93	14.4	13.8	19.3	29.2	172	78.5	47.8	7.26	5.05	2.69
Max..	5.4	7.9	22	20	32	100	272	209	111	24	12	6.4
Min..	0.5	2.4	6.8	8.0	11	14	82	21	0	0	3.0	1.0
Acre-ft.	129	294	885	851	1070	1800	10210	4830	2840	446	311	160

Total run-off for period=23,830 acre-feet.

Discharge of La Plata River at Colorado-New Mexico State Line for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	2.2	4.6	11	12	10	15	35	149	165	68	0.4	3.7
2....	2.4	6.4	10	11	10	18	35	131	126	61	0.4	3.5
3....	2.8	8.3	10	13	11	20	46	110	98	61	0.6	3.7
4....	3.2	8.7	*10	12	12	18	49	99	71	70	0.5	3.7
5....	3.0	9.4	11	11	13	17	61	105	51	60	0.6	3.5
6....	3.2	9.4	12	14	14	14	110	120	40	49	0.1	3.7
7....	4.2	9.4	12	13	16	13	174	178	62	46	0.1	3.0
8....	4.6	10	12	12	14	14	135	223	82	48	0.7	2.9
9....	4.6	9.8	13	13	14	15	122	215	98	52	3.5	2.9
10....	4.9	7.5	12	14	13	17	105	236	115	38	3.5	2.7
11....	5.7	7.5	13	*14	11	18	105	213	106	10	3.2	2.7
12....	5.7	7.5	13	14	12	21	102	176	75	7.8	3.2	1.8
13....	4.6	7.5	13	12	13	21	115	223	49	4.3	3.2	1.0
14....	4.9	8.3	12	11	11	24	110	309	53	2.7	3.0	1.0
15....	4.9	7.5	12	10	13	23	77	387	51	1.9	2.9	1.0
16....	4.3	7.5	12	11	13	18	73	466	45	1.6	2.9	1.6
17....	3.0	7.5	13	11	14	18	68	376	27	1.3	2.4	2.1
18....	2.6	7.9	12	11	14	26	64	233	20	1.1	2.9	3.2
19....	4.9	7.9	13	12	13	25	60	180	47	16	4.9	2.9
20....	5.2	7.9	13	12	12	31	66	190	47	50	3.5	3.0
21....	6.0	7.1	13	*12	12	31	69	163	50	69	3.7	3.2
22....	5.7	7.5	14	13	12	23	66	188	60	48	3.5	3.8
23....	5.7	8.7	13	13	13	23	91	245	52	41	3.2	5.2
24....	5.2	9.0	12	12	13	23	114	285	70	40	4.0	7.0
25....	3.8	9.0	11	11	16	26	95	222	68	39	5.8	8.2
26....	3.2	9.8	11	11	14	33	95	144	67	36	6.4	9.0
27....	3.2	12	11	10	14	31	94	116	103	30	4.6	11
28....	3.0	12	11	10	13	28	107	102	63	26	4.6	14
29....	6.4	13	11	11	13	25	117	192	69	12	4.0	9.0
30....	6.4	12	10	11	....	36	117	168	76	3.2	3.8	8.2
31....	4.3	....	11	10	....	50	....	153	....	1.9	3.8	....
Total	133.8	260.6	367	367	373	715	2677	6297	2106	995.8	89.9	132.2
Mean.	4.32	8.69	11.8	11.8	12.9	23.1	86.2	203	70.2	32.1	2.90	4.41
Max..	6.4	13	14	14	16	50	174	466	165	70	6.4	14
Min..	2.2	4.6	10	10	10	13	35	99	20	1.1	0.1	1.0
Acre-ft.	265	517	728	728	740	1420	5310	12490	4180	1980	178	262

Total run-off for period=28,800 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Cherry Creek Near Red Mesa, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.6	1.4	....	....	....	1.8	35	65	6.3	5.4	1.2	1.8
2....	0.6	1.4	....	....	....	1.8	39	60	4.0	3.0	1.0	1.7
3....	0.5	1.6	....	....	....	1.8	44	56	17	3.0	1.0	1.7
4....	0.5	1.9	....	....	....	1.8	48	60	9.4	3.8	1.0	1.4
5....	0.4	1.6	....	....	....	1.8	50	65	4.5	3.8	0.8	1.4
6....	0.4	1.4	....	....	....	1.8	56	43	5.0	3.0	0.6	1.1
7....	0.4	1.3	....	....	....	1.9	56	40	7.0	1.8	0.6	1.1
8....	0.4	1.4	....	....	....	1.9	44	34	5.4	1.4	0.6	1.1
9....	0.4	1.2	....	....	....	2.0	39	26	2.4	1.8	0.6	0.8
10....	0.4	1.0	....	....	....	2.1	34	23	2.0	3.0	0.6	0.8
11....	0.4	0.9	....	....	....	2.2	29	20	2.4	5.4	0.6	0.6
12....	0.5	1.0	....	....	....	2.3	24	15	2.2	4.5	0.6	0.6
13....	0.5	1.0	....	....	....	2.4	30	8.8	1.8	4.5	0.6	0.6
14....	0.6	1.2	....	....	....	2.5	*38	8.8	1.8	3.8	0.6	0.6
15....	1.1	1.4	....	....	....	2.6	44	8.8	1.7	3.8	0.6	0.6
16....	0.8	1.2	....	....	....	2.5	44	8.8	2.4	3.8	0.6	0.6
17....	0.8	1.0	....	....	....	*2.5	38	7.2	3.3	3.8	0.6	0.7
18....	1.5	0.9	....	....	....	3.0	41	6.5	5.4	3.8	1.0	0.6
19....	1.4	1.0	*1.0	....	....	3.5	48	5.0	10	2.5	0.9	0.6
20....	1.3	1.0	....	....	....	3.8	56	4.7	7.8	2.4	0.6	0.6
21....	1.3	1.0	....	....	....	3.8	56	4.7	7.0	1.4	0.9	0.5
22....	1.3	1.0	....	....	....	4.0	60	2.2	8.5	1.1	1.0	0.4
23....	1.4	1.0	....	....	....	4.5	65	2.3	7.8	1.1	1.2	0.4
24....	1.5	1.0	....	....	....	5.4	70	2.5	6.3	0.8	1.4	0.3
25....	1.5	1.0	....	*1.0	....	7.4	70	2.8	6.3	0.8	1.1	0.3
26....	1.4	1.0	....	....	....	16	70	1.7	5.4	1.0	1.1	0.4
27....	1.4	*1.0	....	....	....	22	68	1.8	5.4	1.1	1.1	0.5
28....	1.6	1.0	....	....	....	46	70	1.7	4.5	1.1	1.1	2.4
29....	1.5	1.0	....	....	....	50	67	1.5	3.0	1.1	1.1	1.0
30....	1.4	1.0	....	....	....	58	67	13	2.4	1.1	1.1	1.0
31....	1.4	....	....	....	....	35	....	7.4	....	0.8	1.8	....
Total	29.2	34.8	31.0	31.0	44.8	298.1	1500	607.2	158.4	79.7	27.6	26.2
Mean	0.94	1.16	1.00	1.00	1.60	9.62	50.0	19.6	5.28	2.57	0.89	0.87
Max.	1.6	1.9	....	....	....	58	70	65	17	5.4	1.8	2.4
Min.	0.4	0.9	....	....	....	1.8	24	1.5	1.7	0.8	0.6	0.3
Acre-ft.	58	69	61	61	89	591	2980	1200	314	158	55	52

Total run-off for period=5,690 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Cherry Creek Near Red Mesa, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.0	1.7	....	....	....	1.5	*23	67	33	5.8	1.0	0.3
2....	1.0	1.4	....	....	....	1.5	22	60	27	5.8	1.0	0.3
3....	0.8	1.2	....	....	....	1.5	22	55	27	6.7	1.0	0.3
4....	1.1	1.2	*1.5	....	*2.0	1.5	26	48	23	7.2	1.0	0.3
5....	1.0	1.4	....	....	....	1.5	34	48	18	11	1.0	0.3
6....	1.0	1.2	....	....	....	*1.5	41	56	16	11	0.9	0.2
7....	0.8	1.0	....	....	....	1.5	38	70	16	7.8	0.6	0.2
8....	1.2	0.9	....	....	....	1.5	31	74	18	10	0.6	0.1
9....	1.0	1.0	....	....	....	2.0	28	78	14	15	0.8	0.2
10....	0.8	1.0	....	....	....	3.0	26	88	12	13	1.7	0.2
11....	0.8	1.1	....	*1.5	....	4.0	28	88	9.1	13	1.0	0.2
12....	0.8	1.4	....	....	....	5.0	31	83	6.7	12	0.6	0.1
13....	1.0	1.8	....	....	....	5.0	31	93	4.0	7.8	0.6	0.1
14....	1.1	1.8	....	....	....	6.0	31	106	4.0	6.3	0.6	0.1
15....	0.8	1.8	....	....	....	6.0	23	127	5.8	5.4	0.5	0.1
16....	0.8	1.4	....	....	....	6.0	17	127	4.0	4.5	0.5	0.2
17....	0.9	1.3	....	....	....	*7.1	23	106	3.3	4.0	0.6	0.1
18....	1.0	1.3	....	....	....	1.5	23	78	3.3	4.0	0.6	0.2
19....	1.0	1.2	....	....	....	1.5	22	74	2.6	7.2	0.5	0.2
20....	1.2	1.4	....	....	....	20	24	70	2.0	7.4	0.5	0.2
21....	1.4	1.4	....	....	....	20	22	65	1.6	12	0.5	0.2
22....	1.2	1.4	....	....	....	16	17	70	1.6	7.8	0.5	0.2
23....	1.0	1.6	....	....	....	15	34	74	1.4	6.3	0.4	0.2
24....	0.8	2.0	....	....	....	15	56	70	1.6	6.7	0.4	0.2
25....	0.8	2.0	....	....	....	20	41	60	1.7	6.7	0.3	0.5
26....	0.8	1.6	....	....	....	22	38	48	1.6	6.5	0.3	0.7
27....	0.9	1.4	....	....	....	21	34	40	2.3	5.0	0.3	1.2
28....	1.0	1.2	....	....	....	20	34	42	2.9	4.5	0.3	1.3
29....	1.3	1.2	....	....	....	18	38	37	3.6	4.9	0.4	1.3
30....	6.3	1.4	....	....	....	25	45	26	3.0	3.4	0.4	1.1
31....	2.8	....	....	....	....	35	....	35	....	1.5	0.3	....
Total	37.4	41.7	46.5	46.5	52.2	333.1	603	2173	270.1	230.2	19.7	10.8
Mean	1.21	1.39	1.50	1.50	1.80	10.7	30.1	70.1	9.00	7.43	0.64	0.36
Max.	6.3	2.0	....	....	....	35	56	127	3.3	7.5	1.7	1.3
Min.	0.8	0.9	....	....	....	1.5	17	35	1.4	1.5	0.3	0.1
Acre-ft.	74	83	92	92	104	661	1790	4310	536	457	39	21

Total run-off for period=8,260 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of East Mancos River Near Mancos, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.5	0.5	....	....	....	....	18	100	46	7.6	2.9	6.0
2....	1.2	0.7	....	....	....	....	24	100	44	6.8	4.8	4.4
3....	1.1	1.1	....	....	....	....	31	98	26	5.2	4.4	3.4
4....	1.2	1.2	....	....	....	....	33	90	18	4.8	2.9	2.6
5....	1.1	1.1	....	....	....	....	32	79	17	3.7	2.3	2.9
6....	0.9	1.8	....	....	....	....	33	58	18	3.4	2.9	1.5
7....	0.8	1.1	....	....	....	....	29	51	22	6.4	2.0	1.8
8....	1.0	1.2	....	....	....	....	22	44	30	10	1.5	1.8
9....	0.9	1.2	....	....	....	....	19	36	32	11	1.2	1.2
10....	0.9	1.0	....	....	....	....	14	31	25	10	1.8	1.1
11....	1.2	0.8	....	....	....	....	12	33	20	8.6	3.2	1.0
12....	1.2	0.8	....	....	....	....	11	40	16	7.6	2.9	0.8
13....	2.6	1.0	....	....	....	....	12	42	13	6.8	2.0	1.2
14....	1.5	1.0	....	....	....	....	17	34	12	6.8	3.7	1.8
15....	1.0	0.6	....	....	....	....	27	29	13	6.4	3.2	1.1
16....	1.5	0.8	....	....	....	....	34	26	16	5.2	4.4	0.9
17....	1.5	0.6	....	....	....	....	33	26	16	4.0	3.2	0.7
18....	1.2	0.7	....	....	....	....	36	29	19	3.4	5.6	0.7
19....	1.0	0.6	....	....	....	....	44	31	21	3.2	6.0	0.6
20....	1.0	0.6	....	....	....	....	52	38	14	4.8	4.4	0.5
21....	1.0	0.6	....	....	....	Mar. 23	54	40	14	3.7	3.2	0.5
22....	1.0	0.6	....	....	....	to 31	68	32	13	3.2	2.9	0.4
23....	1.0	0.6	....	....	....	*3.7	77	30	13	2.3	2.9	0.3
24....	1.0	*0.6	....	....	....	2.0	73	38	11	2.6	5.2	0.5
25....	0.9	0.6	....	....	....	3.7	61	51	11	2.6	3.7	0.6
26....	0.7	0.6	....	....	....	5.2	72	50	11	2.3	4.8	0.8
27....	0.7	0.6	....	....	....	9.2	68	43	7.6	2.3	8.0	1.5
28....	0.8	0.6	....	....	....	15	72	47	8.0	2.0	6.0	1.5
29....	0.8	0.6	....	....	....	20	81	57	8.0	2.9	5.2	1.5
30....	0.6	0.6	....	....	....	23	81	48	8.0	2.6	8.0	0.9
31....	0.5	....	....	....	....	18	....	43	....	3.4	8.6	....
Total	33.2	24.4	....	....	....	99.8	1240	1494	536.6	155.6	123.8	43.6
Mean.	1.07	0.81	....	....	....	11.1	41.3	48.2	17.9	5.02	3.99	1.45
Max..	2.6	1.8	....	....	....	23	81	100	44	11	8.6	6.0
Min..	0.5	0.5	....	....	....	2.0	11	26	7.6	2.0	1.2	0.3
Acre-ft.	66	48	....	....	....	198	2460	2960	1060	309	246	86

Total run-off for period=7,430 acre-feet.

*Winter discharge measurement made on this day.

Discharge of East Mancos River Near Mancos, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	1.2	1.5	1.2	....	....	....	9.0	19	102	21	2.8	1.4
2....	1.2	1.5	1.0	....	....	....	10	19	95	18	2.7	1.4
3....	1.1	1.7	1.2	....	....	....	12	16	76	20	2.6	1.3
4....	1.1	2.0	1.1	....	....	....	17	15	62	22	2.4	1.2
5....	1.3	2.3	1.0	....	....	....	20	18	57	15	2.4	1.5
6....	1.8	2.3	1.0	....	....	....	22	27	74	12	2.4	1.5
7....	1.6	2.4	1.0	....	....	....	22	39	84	10	2.2	1.5
8....	1.6	2.4	*1.0	....	....	....	17	43	81	8.9	2.1	1.3
9....	1.6	2.4	....	....	....	....	16	50	90	7.1	2.2	1.2
10....	1.5	2.3	....	....	....	....	14	59	84	6.5	2.6	1.1
11....	1.3	2.3	....	....	....	....	14	65	84	7.4	2.1	1.1
12....	1.3	2.3	....	....	....	....	15	75	74	6.5	2.0	1.1
13....	1.2	2.2	....	....	....	....	15	92	65	5.6	1.8	1.1
14....	1.8	2.2	....	....	....	....	13	97	63	5.9	1.5	1.1
15....	1.8	2.0	....	....	....	....	12	113	62	4.8	1.4	1.6
16....	1.8	1.8	....	....	....	....	11	90	59	4.4	1.4	1.5
17....	1.5	1.8	....	....	....	....	10	76	50	4.4	1.3	1.4
18....	1.6	2.0	....	....	....	....	10	60	52	4.8	1.4	1.4
19....	3.0	1.8	....	....	....	....	9.5	63	53	5.6	2.7	1.4
20....	2.2	1.8	....	....	....	....	9.5	70	53	7.1	2.1	1.3
21....	2.1	1.7	....	....	....	....	9.5	73	52	5.9	2.0	1.1
22....	2.0	1.8	....	....	....	Mar. 24	11	79	46	5.3	1.6	0.8
23....	1.5	1.7	....	....	....	to 31	12	97	43	5.1	1.5	0.7
24....	1.1	1.5	....	....	....	*3.5	13	102	45	5.1	2.6	0.5
25....	1.1	1.3	....	....	....	3.0	13	97	40	4.8	2.2	1.3
26....	1.2	1.3	....	....	....	3.0	12	86	43	4.4	2.0	2.8
27....	1.3	1.2	....	....	....	3.0	13	93	36	4.2	1.8	3.2
28....	2.4	1.2	....	....	....	3.8	16	95	32	3.9	1.6	3.5
29....	4.0	1.3	....	....	....	3.8	15	110	30	3.7	1.8	3.2
30....	3.4	1.2	Dec. 1	....	....	5.1	19	102	24	3.2	1.8	2.8
31....	2.0	....	to 8	....	....	6.6	....	108	....	3.0	1.6	....
Total	53.6	55.2	8.5	....	....	31.8	411.5	2148	1811	245.6	62.6	46.3
Mean.	1.73	1.84	1.06	....	....	3.98	13.7	69.3	60.4	7.92	2.02	1.54
Max..	4.0	2.4	1.2	....	....	6.6	22	113	102	22	2.8	3.5
Min..	1.1	1.2	1.0	....	....	3.0	9.0	15	24	3.0	1.3	0.5
Acre-ft.	106	109	17	....	....	63	816	4260	3590	487	124	92

Total run-off for period=9,660 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Middle Mancos River Near Mancos, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0	0.3	....	....	....	....	16	92	15	1.2	1.2	1.5
2....	0	0.6	....	....	....	....	20	92	18	1.5	1.9	1.2
3....	0	0.5	....	....	....	....	24	87	16	1.3	1.8	1.0
4....	2.5	0	....	....	....	....	24	116	12	0.5	1.7	0.8
5....	3.3	0	....	....	....	....	25	99	9.4	1.0	1.8	0.8
6....	0.0	0	....	....	....	....	34	75	8.3	3.8	1.7	0.7
7....	0.1	0	....	....	....	....	33	67	10	4.0	1.5	0.6
8....	0.3	*0	....	....	....	....	26	56	11	3.6	1.4	0.8
9....	0.3	0	....	....	....	....	22	46	11	3.2	1.3	0.5
10....	0.2	0	....	....	....	....	18	43	12	2.9	1.4	0.4
11....	0.1	0	....	....	....	....	15	38	12	2.9	2.0	0.4
12....	0.3	0	....	....	....	....	13	38	11	2.6	1.9	0.4
13....	0.4	0	....	....	....	....	16	34	9.7	2.4	1.5	0.4
14....	0.3	0	....	....	....	....	25	28	8.3	2.3	1.3	0.4
15....	0.2	0	....	....	....	....	36	25	7.5	2.5	1.2	0.2
16....	0.3	0	....	....	....	....	42	22	6.9	1.9	1.7	0.1
17....	0.3	0	....	....	....	....	44	20	4.8	1.8	1.6	0.1
18....	0.2	0	....	....	....	....	48	18	4.3	1.7	1.8	0.00
19....	0.4	0.1	....	....	....	....	54	14	5.3	1.7	1.5	0.00
20....	0.6	0.1	....	....	....	....	62	14	5.0	1.7	1.3	0.00
21....	0.8	0.1	....	....	....	Mar. 23	65	16	4.3	1.6	1.3	0.00
22....	0.8	0.1	....	....	....	to 31	75	16	4.8	1.8	1.3	0.00
23....	0.4	0.1	....	....	....	*0.5	88	13	4.8	1.4	1.5	0.00
24....	0.1	*0.1	....	....	....	1.2	85	14	2.9	1.2	2.4	0.00
25....	0.1	....	....	....	....	1.5	79	16	2.3	1.6	1.9	0.00
26....	0.1	....	....	....	....	2.5	82	16	2.3	1.7	2.1	0.00
27....	0.5	....	....	....	....	3.5	84	16	1.7	1.8	2.6	0.1
28....	0.8	....	....	....	....	6.0	83	16	1.3	1.9	2.0	0.1
29....	0.8	....	....	....	....	9.0	89	23	1.0	1.4	1.9	0.2
30....	0.5	Nov. 1	....	....	....	14	88	19	1.0	1.1	3.3	0.2
31....	0.0	to 24	....	....	....	14	....	16	....	1.3	2.6	....
Total	14.7	2.0	....	....	....	52.2	1415	1205	223.9	61.3	54.4	10.9
Mean.	0.47	0.08	....	....	....	5.80	47.2	39.8	7.46	1.98	1.75	0.36
Max..	3.3	0.6	....	....	....	14	89	116	18	4.0	3.3	1.5
Min...	0	....	....	....	....	0.5	13	13	1	0.5	1.2	0
Acre-ft.	29	4	....	....	....	104	2810	2390	444	122	108	22

Total run-off for period==6,030 acre-feet.

*Winter discharge measurement made on this day.

Discharge of Middle Mancos River Near Mancos, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	0.2	1.0	....	....	....	0.6	4.0	22	65	7.5	1.7	1.1
2....	0.2	0.9	....	....	....	0.6	4.5	21	54	7.2	1.8	1.1
3....	0.4	1.1	....	....	....	0.6	5.0	18	51	11	1.6	0.9
4....	0.3	1.1	....	....	....	0.6	6.0	20	41	12	1.5	0.7
5....	0.4	1.1	....	....	....	0.6	8.0	29	38	9.1	1.7	0.8
6....	0.7	0.7	....	....	....	0.6	*9.7	48	43	8.1	1.9	0.9
7....	0.4	0.8	....	....	....	0.6	9.0	59	48	7.0	1.8	0.8
8....	0.4	0.8	*0.5	....	....	0.6	7.8	65	44	5.5	1.9	0.8
9....	0.4	0.8	....	....	....	0.6	7.2	83	45	4.6	2.2	0.8
10....	0.2	0.8	....	....	....	0.6	6.4	90	48	3.4	2.0	0.6
11....	0.4	0.7	....	....	....	0.6	8.6	100	47	2.7	1.7	0.6
12....	0.8	0.6	....	....	....	0.6	11	103	41	2.4	1.6	0.6
13....	0.5	0.5	....	....	....	0.6	10	125	37	1.1	1.4	0.6
14....	0.6	0.3	....	....	....	0.6	7.8	146	33	0.5	1.4	0.5
15....	0.8	0.4	....	....	....	0.6	8.6	175	32	0.3	1.1	0.6
16....	0.8	0.4	....	....	....	0.8	7.2	139	28	0.2	0.8	0.6
17....	1.0	0.5	....	....	....	0.8	6.4	107	21	0.5	0.8	0.6
18....	1.0	0.5	....	....	....	0.8	6.4	96	20	3.4	0.8	0.5
19....	1.5	0.5	....	....	....	1.0	6.9	101	17	4.6	1.6	0.4
20....	1.0	0.5	....	....	....	1.0	7.5	107	16	5.3	1.2	0.2
21....	0.6	0.5	....	....	....	1.0	6.6	99	14	5.0	1.2	0.2
22....	0.2	0.5	....	....	....	1.0	8.0	107	14	3.2	1.1	0.3
23....	0.1	0.5	....	....	....	1.0	10	132	12	3.4	1.1	0.2
24....	0.1	0.4	....	....	....	1.0	11	124	12	3.9	1.6	0.1
25....	0.1	0.4	....	....	....	*1.0	11	109	11	3.1	2.0	0.2
26....	0.2	0.3	....	....	....	1.0	10	70	12	2.8	1.9	0.3
27....	0.4	0.3	....	....	....	1.0	12	68	11	2.4	1.7	0.3
28....	0.5	0.3	....	....	....	2.0	18	61	9.5	2.2	1.6	0.3
29....	2.0	0.3	....	....	....	2.5	16	70	8.8	2.0	1.5	0.2
30....	1.4	0.3	....	....	....	3.0	22	70	9.1	1.8	1.5	0.2
31....	1.2	....	....	....	....	3.5	....	70	....	1.8	1.2	....
Total	18.8	17.8	15.5	15.5	17.4	31.4	272.6	2634	882.4	128.0	46.9	16.0
Mean.	0.61	0.59	0.5	0.5	0.6	1.01	9.09	85.0	2.94	4.13	1.51	0.53
Max..	2.0	1.1	....	....	....	3.5	22	175	65	12	2.2	1.1
Min...	0.1	0.3	....	....	....	0.6	4.0	18	8.8	0.2	0.8	0.1
Acre-ft.	37	35	31	31	35	62	541	5220	1750	254	93	32

Total run-off for period==8,120 acre-feet.

*Winter discharge measurement made on this day.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of West Mancos River Near Mancos, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	5.5	6.5	....	....	....	....	57	307	163	83	16	22
2....	5.1	7.0	....	....	....	....	75	296	210	71	22	18
3....	5.1	7.0	....	....	....	....	98	272	151	59	18	16
4....	5.1	7.0	....	....	....	....	105	345	125	55	15	15
5....	5.0	6.1	....	....	....	....	114	290	118	50	12	14
6....	4.8	6.3	....	....	....	....	134	231	125	46	13	13
7....	5.0	5.9	....	....	....	....	123	197	141	41	11	13
8....	5.0	6.3	....	....	....	....	82	163	149	38	9.8	13
9....	5.0	6.3	....	....	....	....	66	132	149	38	9.2	12
10....	5.0	5.3	....	....	....	....	49	123	147	35	9.8	11
11....	5.9	5.1	....	....	....	....	39	128	143	31	30	10
12....	5.5	5.1	....	....	....	....	35	141	128	30	16	10
13....	7.4	5.5	....	....	....	....	44	139	112	29	13	11
14....	6.7	5.7	....	....	....	....	66	119	97	27	12	12
15....	5.9	5.9	....	....	....	....	95	104	97	27	11	10
16....	6.5	5.5	....	....	....	....	105	97	104	25	13	9.5
17....	6.5	5.3	....	....	....	....	99	94	112	21	12	8.9
18....	6.3	5.5	....	....	....	....	114	94	125	20	23	8.6
19....	6.3	5.3	....	....	....	....	145	86	127	20	18	8.3
20....	5.9	5.5	....	....	....	....	159	95	125	29	14	8.0
21....	5.5	4.0	....	....	....	Mar. 23	194	110	123	24	12	7.6
22....	5.3	5.1	....	....	....	to 31	207	101	121	22	15	7.2
23....	5.5	5.9	....	....	....	*7.0	266	97	119	18	20	7.6
24....	5.7	5.5	....	....	....	7.6	266	118	110	18	28	8.9
25....	5.7	5.3	....	....	....	9.5	262	153	116	16	21	8.0
26....	5.7	5.2	....	....	....	14	266	166	116	19	26	8.0
27....	5.5	5.3	....	....	....	21	259	153	101	20	32	9.5
28....	5.9	6.0	....	....	....	32	237	172	97	18	21	13
29....	6.3	5.2	....	....	....	54	246	234	95	18	18	12
30....	5.9	6.0	....	....	....	65	286	182	101	15	41	10
31....	6.5	....	....	....	....	53	....	163	....	19	34	....
Total	177.0	171.6	....	....	....	263.1	4293	5102	3747	982	565.8	335.1
Mean.	5.71	5.72	....	....	....	29.2	143	165	125	31.7	18.3	11.2
Max..	7.4	7.0	....	....	....	65	286	345	210	83	41	22
Min..	4.8	4.0	....	....	....	7	35	86	95	15	9.2	7.2
Acre-ft.	351	340	....	....	....	522	8520	10120	7430	1950	1120	665

Total run-off for period=31,020 acre-feet.

Discharge of West Mancos River Near Mancos, Colo., for Year Ending Sept. 30, 1944.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	9.5	11	....	....	....	....	18	79	237	155	27	7.4
2....	8.9	10	....	....	....	....	22	69	210	141	26	7.4
3....	9.5	11	....	....	....	....	34	52	194	168	25	7.4
4....	8.9	11	....	....	....	....	51	48	163	179	24	6.7
5....	8.6	11	....	....	....	....	68	69	153	137	23	6.5
6....	8.6	10	....	....	....	....	76	123	168	123	22	7.0
7....	8.6	11	....	....	....	....	76	175	197	105	21	7.6
8....	8.6	12	....	....	....	....	54	213	207	95	19	6.5
9....	8.3	13	....	....	....	....	44	240	240	86	24	6.5
10....	8.0	11	....	....	....	....	41	290	259	79	21	6.3
11....	8.6	10	....	....	....	....	51	315	253	71	18	5.9
12....	10	9.8	....	....	....	....	56	373	216	63	16	5.7
13....	8.9	9.8	....	....	....	....	48	446	200	60	16	5.7
14....	8.6	9.5	....	....	....	....	37	511	210	57	15	5.5
15....	8.3	9.2	....	....	....	....	30	651	219	54	14	5.9
16....	8.3	9.2	....	....	....	....	32	381	210	51	14	5.7
17....	8.0	9.2	....	....	....	....	27	293	179	49	13	5.7
18....	8.0	9.5	....	....	....	....	27	234	192	49	13	5.7
19....	16	9.5	....	....	....	....	32	231	202	49	16	5.5
20....	13	9.5	....	....	....	....	33	234	207	62	15	5.3
21....	11	9.2	....	....	....	....	26	250	213	60	15	5.1
22....	11	9.8	....	....	....	....	27	279	202	46	12	5.1
23....	11	9.8	....	....	....	Mar. 25	44	318	194	44	11	5.0
24....	10	9.5	....	....	....	to 31	49	318	205	47	15	5.1
25....	11	7.8	....	....	....	8.6	44	290	205	44	15	5.9
26....	11	7.0	....	....	....	8.6	44	225	222	39	13	8.0
27....	12	7.4	....	....	....	10	48	207	189	36	11	10
28....	12	7.4	....	....	....	10	74	210	170	34	10	16
29....	18	7.0	....	....	....	11	60	243	168	32	9.2	16
30....	16	7.0	....	....	....	13	77	234	159	31	9.2	13
31....	13	....	....	....	....	15	....	240	....	29	8.3	....
Total	321.2	288.1	....	....	....	76.2	1350	7841	6043	2265	510.7	215.5
Mean.	10.4	9.60	....	....	....	10.9	45.0	253	201	73.1	16.5	7.18
Max..	18	13	....	....	....	15	77	651	259	179	27	16
Min..	8.0	7.0	....	....	....	8.6	18	48	153	29	8.3	5.0
Acre-ft.	637	571	....	....	....	151	2680	15550	11990	4490	1010	427

Total run-off for period=37,510 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

Discharge of Mancos River Near Towaoc, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	2.3	16	12	....	16	58	145	426	130	26	45	45
2....	2.2	13	11	....	16	45	158	426	142	22	14	26
3....	2.1	16	11	....	16	41	173	426	199	20	16	24
4....	2.1	14	....	....	16	43	213	450	130	17	28	22
5....	2.0	15	....	....	16	46	206	550	96	13	14	19
6....	2.0	15	....	....	16	40	245	378	84	12	14	18
7....	2.0	13	....	....	16	37	312	330	84	11	14	13
8....	2.0	11	....	....	16	36	266	262	81	10	11	12
9....	2.0	12	....	....	19	40	224	220	81	8.0	8.0	13
10....	2.0	10	....	....	16	42	210	202	81	7.5	9.2	11
11....	2.3	7.5	....	....	17	43	124	185	84	6.9	11	8.6
12....	4.5	7.5	....	....	16	41	105	185	79	6.0	9.2	8.6
13....	18	8.5	....	....	16	38	97	185	71	6.0	9.8	8.6
14....	28	10	....	....	16	39	122	173	63	5.0	6.9	9.2
15....	18	12	....	....	19	42	196	140	54	4.0	5.2	12
16....	14	12	....	....	19	40	284	110	45	3.0	6.9	11
17....	25	12	....	....	30	38	262	99	42	3.0	6.3	8.0
18....	28	11	....	....	38	39	241	86	34	2.5	7.3	5.7
19....	18	12	....	....	52	37	307	71	30	2.4	3.6	4.0
20....	11	13	....	....	70	35	354	60	30	2.3	1.9	2.9
21....	8.5	11	....	....	101	34	402	58	26	2.3	1.3	2.1
22....	11	8.5	....	....	110	37	378	62	26	2.3	1.4	2.1
23....	8.0	9.0	....	....	110	36	378	59	26	1.8	1.3	2.1
24....	6.1	11	....	....	47	52	378	55	25	1.4	1.7	1.8
25....	5.6	11	....	....	70	60	330	60	25	1.2	2.0	1.8
26....	6.1	11	....	*14	58	82	378	84	26	8.0	2.2	2.3
27....	5.6	11	....	....	47	101	402	96	25	4.6	1.8	4.0
28....	5.2	11	....	....	47	120	392	89	20	2.3	3.1	5.2
29....	18	11	....	....	....	224	392	124	20	2.3	2.2	9.8
30....	32	12	....	....	....	196	426	196	22	2.3	2.0	9.8
31....	25	....	....	....	....	164	....	148	....	34	100	....
Total	318.6	347.0	342	372	1046	1926	8100	5995	1881	250.1	646.5	322.6
Mean.	10.3	11.6	11.0	12.0	37.4	62.1	270	193	62.7	8.07	20.9	10.8
Max..	32	16	....	....	110	224	426	550	199	34	100	45
Min..	2.0	7.5	....	....	16	34	97	55	20	12	5.2	1.8
Acre-ft.	632	688	676	738	2070	3820	16070	11890	3730	496	1280	640

Total run-off for period=42,730 acre-feet.

*Winter discharge measurement made on this day.

Discharge of McElmo Creek Near Cortez, Colo., for Year Ending Sept. 30, 1943.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1....	15	34	30	37	38	58	38	198	122	89	66	70
2....	18	34	30	32	46	38	35	185	137	79	77	64
3....	18	34	37	13	38	38	35	216	157	70	68	66
4....	17	35	48	11	34	50	51	241	122	82	62	60
5....	16	35	40	24	28	86	51	178	110	65	62	48
6....	8.3	37	40	18	23	69	47	151	106	62	59	34
7....	8.3	34	30	13	28	54	38	184	106	59	57	32
8....	11	29	24	13	69	59	39	161	98	56	53	34
9....	11	24	30	8.3	54	69	39	167	111	53	49	33
10....	13	24	27	13	25	98	70	171	88	50	53	28
11....	17	24	27	13	25	137	61	172	91	54	57	24
12....	19	24	24	13	25	110	52	168	82	49	67	32
13....	60	21	17	16	50	65	52	167	86	46	62	34
14....	37	30	13	18	64	63	54	176	88	40	53	30
15....	24	44	18	18	64	91	48	171	81	50	57	30
16....	27	44	18	21	86	50	48	160	79	65	86	34
17....	37	37	21	13	92	50	48	160	81	41	64	34
18....	40	37	24	8.3	86	82	44	162	77	38	62	35
19....	44	34	21	16	86	68	44	160	78	39	62	35
20....	37	27	24	24	80	54	44	168	81	88	54	27
21....	37	19	30	36	59	41	44	171	75	134	55	25
22....	34	21	24	131	75	46	48	157	70	130	84	23
23....	34	21	30	178	82	42	44	160	70	89	81	23
24....	31	24	34	182	72	45	42	165	70	81	102	29
25....	30	21	60	92	66	50	42	153	77	84	104	40
26....	27	21	56	46	72	65	60	137	82	67	76	60
27....	30	27	34	42	76	65	128	140	84	62	66	139
28....	34	30	34	31	74	84	154	127	80	53	81	101
29....	60	27	37	34	....	74	167	150	80	53	68	68
30....	44	34	30	38	....	65	174	146	98	45	100	54
31....	34	....	37	42	....	43	....	132	....	61	101	....
Total	872.6	887	949	1194.6	1617	2009	1841	5154	2767	2034	2148	1346
Mean.	28.1	29.6	30.6	38.5	57.8	64.8	61.4	166	92.2	65.6	69.3	44.9
Max..	60	44	60	182	92	137	174	241	157	134	104	139
Min..	8.3	19	13	8.3	23	38	35	127	70	38	49	23
Acre-ft.	1730	1760	1880	2370	3210	3980	3650	10220	5490	4030	4260	2670

Total run-off for period=45,250 acre-feet.

Unless otherwise noted, all discharges are in cubic feet per second.

CHAPTER XIV.

ANNUAL REPORTS

OF

IRRIGATION DIVISION
ENGINEERS

FOR

1943-1944

ANNUAL REPORT—IRRIGATION DIVISION NO. 1
FOR THE YEAR 1943

December 2, 1943.

Mr. M. C. Hinderlider
State Engineer of Colorado
State Capitol Building
Denver, Colorado.

Dear Sir:

Herein is transmitted the annual report of administrative activities of this office for the year of 1943.

The season of 1943 was very good as regards irrigation supplies, crops and temperatures. Although precipitation was above normal until July 1st, the following four months were far below normal, which caused a rapid decrease in stream flow and a consequent heavy draft upon reservoir supplies, causing irrigation reservoirs to be practically empty by October 1st, 1943. On October 1st, 1942 there was 226,000 acre feet of water in storage in irrigation reservoirs, which amount was steadily increased until June 1st, 1943, at which time total storage amounted to 899,348 acre feet. The storage outlook for the coming year is not encouraging with practically no carryover and streams at very low stage. Storage for the ensuing year started in Districts 1 and 3 on October 18th, although many ditches are still using water for direct irrigation.

Temperatures have been above normal, while at the time of this writing precipitation is about 3.0 inches below normal in the South Platte river basin.

Crops are above average in most sections, with an extra high yield of wheat grown on the dry lands. Sugar beet production is somewhat below average, which is chiefly due to decreased acreage, and as a consequence some of the sugar factories are not operating this year. The hay crop is about normal and the price high, some native hay selling for twenty dollars per ton, and even higher in some places.

The same administrative procedure as followed last year was again in force this year in the Laramie River District. This policy seems to meet with the approval of most everyone concerned. The hay tonnage in this District was 3,797 tons this year as compared with 3,579 tons last year.

There were no floods of consequence during the season and stream flow was very constant in most sections. There were no dam failures this year, and repairs were made on several that were weakened last year. Marshall Lake Dam is now in serviceable condition after undergoing extensive repairs. This is also true of Bergen No. 2. Reservoir survey for the plans for raising the dam of the W. S. & S. Co. No. 3 Reservoir is now in progress. Work is again proceeding on the Colorado-Big Thompson tunnel, after a delay of several months due to interference by the War Production Board.

Trans-mountain diversion was greater than last year, 76,811 acre feet being diverted, which however is much below capacity. More water could have been diverted through the trans-mountain ditches had a greater demand for it existed during the early part of the season.

Few controversies arose during the past year, none of which were of major importance.

Some legislation was passed by the last Legislature which affects the administration, most important of which was the Act which provides for the payment of Water Commissioners by the State instead of by the Counties. The office of Division Engineer of Irrigation Division No. 1 was recreated after having been abolished in 1929, since which time the duties of that office have been performed by a special deputy acting for the State Engineer.

Tables of Trans-mountain diversions, amount of water in storage by months and summation of Water Commissioners' reports for the season follow and form a part of this report.

Very respectfully submitted,

J. E. WHITTEN,
Division Engineer, Irrigation Division No. 1.

TRANS-MOUNTAIN DIVERSIONS

IRRIGATION DIVISION NO. 1

1943

Name of Diversion	Ac. Ft.	From Dist.	To Dist.	Source of Supply	First Day	Last Day
Deadman Ditch..	0	48	3	Deadman Creek,		
Laramie Poudre Tunnel	8,955	48	3	Trib. Laramie River....	5- 8	9-14
Skyline Ditch.....	9,769	48	3	Laramie River.....	5- 6	8-11
Lost Lake Ditch..	504	48	3	Laramie River.....	5- 1	6-23
Columbine Ditch..	0	48	3	Laramie River.....		...
Bob Creek Ditch..	0	48	3	Laramie River.....		...
Sand Creek Ditch..	1,141	48	3	Sand Creek.....	5- 4	6- 1
Michigan Ditch...	1,537	47	3	No. Platte River.....	6-24	8- 7
Cameron Pass Ditch	0	47	3	No. Platte River.....		...
Grand River Ditch	17,525	51	3	Colorado River.....	5-26	9- 4
Moffat Tunnel....	32,669	51	6-7	Colorado River.....	4-22	11-2
Williams Fork Tunnel	4,023	51	7	Colorado River.....	7- 7	9-27
Berthoud Pass Ditch	554	51	7	Colorado River.....	6-27	8- 6
Eureka Ditch.....	134	51	4	Colorado River.....	6-20	9-12
Boreas Pass Ditch	0	36	23	Colorado River.....		...
Total	76,811					

MOFFAT TUNNEL SUMMARY

1943

	Ac. Ft.
East Portal R. F.....	32,669
Diverted at Eldorado Springs.....	32,329
Charge for loss in transit.....	340
To Clear Creek for exchange.....	7,038
Direct exchange used.....	4,247
Balance for 11-mile exchange.....	2,791

WILLIAMS FORK TUNNEL

1943

East Portal R. F.....	4,023
Diverted for agricultural use.....	3,285
Charge for loss in transit.....	201
Balance to Clear Creek for exchange.....	537

11-MILE CANON RESERVOIR OPERATION

1943

Lake elevation all year8592.00 (Spillway)

	Stream Loss or Gain	
April	53	Day Sec. Ft.
May	93	..
June	1366	..
July	273	..
	1732	53 Day Sec. Ft.
Net loss at Reservoir	1679	Sec. Ft.
	=3330	.. Acre Feet
Trans-Mountain Credit in Clear Creek available for exchange	2791	Acre Feet
Moffat Tunnel	537	
Williams Fork Tunnel	3328	Acre Feet
Plus 5% (Carrying charge)	166	
Total Trans-Mountain Exchange Credit at 11-Mile	3494	Acre Feet
Net Gain to Stream	164	Acre Feet

The following is a statement of water in storage in Irrigation Division No. 1, from January 1 to December 1, 1943, tabulated by districts. Does not include North Park District No. 47, Laramie River Basin District No. 48, nor District No. 65, as there is very little storage in any of these districts.

Values in Acre Feet

Dist. No.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....100,884	103,414	117,518	128,004	132,107	140,894	119,417	70,204	25,921	2,500	11,551	37,155
2	.....52,275	62,803	72,690	82,051	87,397	91,577	71,658	45,190	19,274	10,953	10,329	15,261
3	.....113,796	119,719	122,761	127,782	140,371	161,970	157,574	122,620	66,628	47,535	52,130	59,056
4	.....63,834	65,645	66,329	68,733	81,461	90,195	88,095	71,992	45,462	39,565	36,695	37,190
5	.....24,083	25,770	26,414	27,680	31,982	32,048	32,048	26,685	15,192	9,336	8,958	8,578
6	.....19,848	18,351	17,038	16,705	22,617	33,731	33,850	31,268	25,483	18,531	17,081	16,991
7	.....10,029	8,795	6,953	5,887	5,900	12,994	15,031	12,967	11,346	9,327	9,059	8,329
8	.....16,632	15,970	16,570	17,500	16,400	17,596	16,983	15,333	14,757	14,628	14,728	15,714
9	.....5,394	5,394	5,734	6,096	7,386	8,098	6,430	4,685	3,571	1,709	1,538	2,113
23	.....173,800	173,800	174,000	177,624	186,833	187,333	187,233	133,724	176,103	172,363	162,883	162,696
64	.....106,834	113,564	120,102	114,739	120,372	122,912	112,104	79,582	38,457	11,803	22,200	42,433
Totals	.....687,409	713,225	746,109	772,801	833,026	*899,348	840,423	664,250	444,394	338,250	347,152	406,816
City of Denver	.....196,133	193,952	192,760	196,300	204,029	211,414	212,788	207,679	200,939	195,318	185,231	185,435
Bal. for Irrig.	.....491,276	519,273	553,349	576,501	628,397	687,934	627,635	456,571	243,455	142,932	161,921	221,381

*Maximum Storage to Date

LARAMIE RIVER ADMINISTRATION IN COLORADO

1943

Administration of the Laramie River, Water District No. 48, was conducted under the provisions of the agreement entered into in 1942 between the Meadow land users and the Trans-Mountain diversion interests, whereby Colorado's allocation by the Supreme Court of the United States of 39,750 acre feet of the waters of the Laramie River, were divided equally between the two groups of water users, which gives each group 19,875 acre feet. Under the aforementioned agreement, the latter amount of water may be diverted, when available and as required, by each group.

This agreement terminates much of the former friction which existed between the two groups of water users, following the last interpretation by the Supreme Court of the United States of its original decision in the noted case of Wyoming vs. Colorado, involving the use of the waters of the Laramie River, and tends to a more efficient use of the water allocated to Colorado.

The Meadow land users entered into a further agreement among themselves which provides for a division of their one-half of the 39,750 acre feet, upon the basis of the amount of land irrigated under each ditch. This agreement between the Meadow land users permits of a diversion up to 4.1 acre feet per acre of Meadow land irrigated, and such quantity per acre may be diverted at such time or times and at such rate as may be determined by the individual user. This agreement also provides for an exchange of water among water users, and also permits an individual water user to assign to another water user, any part of his pro rata share of the water to which he is entitled.

Daily records of the amounts of water diverted by each ditch are kept by the Water Commissioner, who is assisted by special deputies of the State Engineer's office. A summary of these records for the season 1943 is attached hereto and forms a part of this report.

Irrigation in the Laramie River Basin in Colorado in 1943 began on May 1 and continued to late in July, when diversions were discontinued to permit the harvest of the hay crop. At that time, there still remained undiverted a considerable portion of the water allocated to the Meadow lands. Following this period,

however, a few ditches diverted small quantities of water until November 8, when all diversions ceased for the year, at which time the total diversion by the Meadow land users amounted to 19,310 acre feet.

The facilities for effectuating Trans-Mountain diversions from the Laramie River in Colorado consist of the Laramie Poudre Tunnel, the Skyline, Lost Lake, Deadman, Bob Creek and Columbine Ditches. No diversions were made in 1943 by the Deadman, Bob Creek and Columbine Ditches, due to the abundance of water supplies in the Cache la Poudre River during the early part of the season.

Total diversions by the Laramie Poudre Tunnel, Skyline and Lost Lake Ditches amounted to 19,228 acre feet.

J. E. WHITTEN,
Division Engineer, Irrigation Division No. 1.

DIVERSIONS FROM LARAMIE RIVER BY DITCHES IN COLORADO FOR THE YEAR OF 1943

Records of the Office of the State Engineer of Colorado

Name of Ditch	Total Diversion Acre Feet
Bliler-Boswell	761
British Crk. No. 1	93
Brown-Nunn Creek	627
Brown-Porter Creek	101
Ben Warren and Enlg.	...
Brinker	...
Comet	330
Cabin	117
Detro No. 1	147
Detro No. 2	...
Davy	466
Ferguson	...
Forrester-Brown	82
Forrester No. 1—Forrester	336
Forrester No. 2—Forrester	...
Glendevey	80
French Woman	2
Grace Creek and Enlg.	1,294
Grant	87
Hills	...
Upper Hills	50
Homestead (McIntyre)	260
Homestead No. 1 (Big Jenkins)	195
Homestead No. 2 (Little Jenkins)	93
Hande	76
Jim (Jimmy Crk.)	345
Jim No. 2	85
Jimmy and Enlg. (Jimmy Crk.)	132
Jimmy Creek (Laramie River)	452
LaGarde and Enlg.	540
LaGarde No. 1	...
Lamb	978
Link No. 1	670
Link No. 2	...
Lone Tree	69
Mansfield and Enlg.	1,067
Mansfield No. 2	1,119
Martin No. 1	751
Martin No. 2 and Enlg.	1,356
McIntyre	442
Nellie	397
Ollie	204
Pache	799
Parker	...
Pine Creek and Enlg.	27
Roaring Creek Ditch	217
Stuck	317
Smith-Brown	292
Stuart No. 1	249
Stuart No. 2	96
Stubb	107
Schnitger	570
Trollope	18
Talmadge	86
Timothy	754
Warren	81
Ward No. 1	108
Ward No. 2	56
Wright	942
Yelton	787
Total—Meadow Lands	19,310

TRANS-MOUNTAIN DIVERSIONS

Lararie-Poudre Tunnel	8,955
Skyline	9,769
Deadman	...
Lost Lake	504
Columbine	...
Bob Creek	...
Total—Trans-Mountain Diversions	19,228
Grand Total	38,538

SUMMARY OF WATER COMMISSIONER'S CROP REPORT FOR THE IRRIGATION SEASON OF 1943 IRRIGATION DIVISION NO. 1

Dist. No.	First Day Water Used from Natural Stream	Last Day Water Used from Natural Stream	No. Acre Feet Used for Season	Total No. Acres that can be Irrigated	Alfalfa	Natural Grasses
1	4- 2-43	10-31-43	319,740	180,617	38,516	19,465
2	4-18-43	11-24-43	374,087	226,491	40,002	10,755
3	4-18-43	11- 1-43	407,045	389,160	58,485	3,179
4	4-21-43	11- 4-43	198,585	167,370	44,160	370
5	4-11-43	10-31-43	119,510	128,290	45,970	9,590
6	4-22-43	11-15-43	108,555	195,335	28,172	61,125
7	4- 1-43	10-31-43	159,126	118,370	13,405	2,090
8	3-31-43	10-31-43	119,705	113,920	10,816	1,398
9	4-11-43	10-31-43	24,552	16,339	4,900	1,688
23	4- 9-43	8- 6-43	40,000	50,000	.....	40,000
47	4-15-43	8- 1-43	No Record	70,000	.....	47,474
48	5- 1-43	11- 8-43	19,312	5,000	0	4,600
64	11- 1-42	10-31-43	262,190	188,063	31,390	30,226
65	4-20-43	10-25-43	15,838	*7,400	926	95
			2,168,245	1,856,355	316,742	232,055

*5,000 acres in Nebraska.

Dist. No.	Cereals	Orchards	Market Gardens	Potatoes	Sugar Beets	Beans
1	31,965	154	320	1,631	13,452	24,089
2	83,184	338	11,015	8,735	30,415	21,161
3	67,185	1,596	3,813	29,243	40,986	8,937
4	63,205	1,805	925	9,982	12,315	3,122
5	48,740	400	1,040	560	18,890	550
6	47,015	643	2,136	245	4,809	935
7	48,195	1,672	10,503	176	1,832	770
8	6,631	49	1,930	40	539	110
9	4,844	87	281	.....	255	110
23	.....	.....	.....	.....	.....	.....
47	.....	.....	.....	.....	.....	.....
48	(3,797 Tons of Native Hay)	.....	.....	.....	.....	.....
64	39,895	796	979	2,504	14,867	6,235
65	126	28	52	29	75	23
440,985		7,568	32,994	53,145	138,435	66,042

Dist. No.	Peas	Cabbage	Corn	Other	Total Irrigated
1	.....	39	26,053	10,489	166,173
2	560	2,392	.....	10,523	219,080
3	350	1,026	.....	39,465	254,265
4	1,645	871	2,295	2,365	143,060
5	350	550	.....	1,500	128,140
6	335	94	17,992	9,423	172,924
7	325	1,061	6,466	4,910	91,405
8	.....	.....	.....	4,147	25,660
9	.....	40	1,284	500	13,989
23	.....	.....	.....	.....	40,000
47	.....	.....	.....	.....	47,474
48	.....	.....	.....	.....	4,600
64	0	30	20,818	5,602	153,342
65	.....	.....	350	1,602	13,306
3,565		6,103	75,258	90,526	1,463,418

†1,976 Acres in Nebraska.

ANNUAL REPORT—IRRIGATION DIVISION NO. 1
FOR THE YEAR 1944

December 29, 1944.

Mr. M. C. Hinderlider
State Engineer
Capitol Building
Denver, Colorado.

Dear Sir:

Herewith is presented my annual report of activities of the office of Division Engineer of Division No. 1 for the year 1944.

During the early part of the irrigation season, there was more than sufficient water to supply all demands, the early part of the year being cold and growing temperatures coming very late, during which time excessive precipitation fell in the most of the South Platte Basin, planting of crops being delayed by this condition. The snowfall in most areas was above normal, however most of the snow came late in the season, which resulted in strong stream flow in the early part of the season and subnormal flow during the latter part of the summer, which in some instances caused a considerable shortage of water for both irrigation and domestic use, some difficulty having been experienced in obtaining an adequate supply for some of the smaller towns which depend upon stream flow for their domestic supply.

There were a few destructive hail storms in the Platte Valley, most of which were local in extent. The most severe of these fell in Denver and Jefferson Counties on August 26, resulting in considerable damage to crops and other property, the greenhouses in the area being especially hard hit. There were no floods of consequence in the Division this year.

There were 46 orders issued to the Water Commissioners of the several Districts in the Platte Valley during the irrigation season, the most senior date of demand being May 1, 1865, which order was issued on August 17 and was in force most of the time until October 7, after which time direct irrigation gradually decreased until at the present time there is little water being so used, most of the available supply now being stored in the reservoirs.

An interesting question was brought before this office by the Consolidated Home Supply Ditch and Reservoir Company of

Water District No. 4, who requested a ruling as to the position in the list of decretal orders of a certain water right granted to the Town of Berhoud in the adjudication of 1916 granting the Town of Berthoud a perpetual right for 3.0 second feet as domestic priority No. 1. Since this water right was granted in an adjudication subsequent to the 1883 and 1890 adjudication, it was ruled by the writer that this water right should follow the last priority granted in the adjudication of 1883 and 1890. Appeal from this ruling now rests with M. C. Hinderlider, State Engineer.

There were 854,659 acre feet of water in storage in Division No. 1 on June 1, which is about 95% of the existent reservoir capacity. This large supply of reservoir water was a saving factor during the latter part of the growing season, since very little rain fell after July 15 and stream flow diminished rapidly thereafter. At the present time, storage is very low, there being only 350,000 acre feet impounded, of which 187,000 acre feet belongs to Denver Municipal Water Works.

Crop conditions on the whole are good in the irrigated sections. The dry land crops are only fair, having been injured by the protracted dry period after a very late start. The native hay yield in the mountain area is about 20% below normal due to deficient summer rainfall and stream flow.

Trans-mountain diversions in the Division were somewhat below normal this season, due to deficient snowfall in the higher altitudes and the late date on which diversion by the trans-mountain ditches was commenced. There were 60,854 acre feet diverted this season, as compared with 76,811 acre feet last year. The tabulation of the various trans-mountain diversions and the amount diverted by each accompanies this report.

The Colorado-Big Thompson trans-mountain diversion tunnel, some thirteen miles in length, was holed through this summer and lining of this tunnel is now in progress.

There were no dam failures in the Division this year and no major construction work along this line; however, some large reservoirs are contemplated in connection with the Big Thompson-Grand Lake project.

A tabulation of the Water Commissioners' crop reports and a report on the administration of the Laramie River in Colorado are herewith presented and made a part of this report.

Very respectfully submitted,

J. E. WHITTEN,

Irrigation Division Engineer, Division No. 1.

ADMINISTRATION OF LARAMIE RIVER IN COLORADO FOR SEASON OF 1944

Administration of decretal orders relative to the Laramie River in Colorado in accordance with U. S. Supreme Court decree was carried out during the irrigation season of 1944 in the same manner as employed during the past two years, the water users having elected to continue for another year the temporary agreement entered into in 1942, and which was also agreed to for the season of 1943.

This agreement seems to work very well and after three years' there does not appear to be any better plan in view. The operation of the method referred to provides for the division of Colorado's allocation (39,750 acre feet) into two equal parts, one part to be diverted from the Laramie River or tributaries by the Trans-Mountain interests and the other part by the Meadow land users, and providing that diversions may be made at such times and at such rates as elected by the water users, a record of all diversions to be kept by the State Engineer of Colorado or his authorized representative.

Parshall measuring flumes or weirs are used for the measurement of all water diverted and a daily record of same is kept by the water officials. The daily diversion record is not within the scope of this report, however, a tabulation of the several diversions with amounts in acre feet diverted by each for the season of 1944 accompanies this report.

MEADOW LAND DIVERSIONS

Name of Ditch	Amount Diverted Second Feet
Bliler-Boswell	436.68
British Creek No. 1	27.96
Brown-Nunn Creek	323.59
Brown-Porter Creek	52.07
Ben Warren and Enlargement	0
Brinker	0
Comet	244.25
Cabin	58.89
Detro No. 1	75.77
Detro No. 2	0
Davy	195.14
Ferguson	0
Forrester—Brown	70.47
Forrester No. 1	160.53
Forrester No. 2	0
Glendevy	35.86
Grace Creek and Enlargement	554.16
Grant	57.62
Hills	0
Upper Hills	166.60
Homestead	175.88
Homestead No. 1	117.55
Homestead No. 2	63.46
Hance	42.18
Jim—Jimmy Creek	208.36
Jim No. 2—Jimmy Creek	33.98
Jimmy and Enlargement—Jimmy Creek	113.64
Jimmy Creek—Larimer River	173.33
La Garde and Enlargement	289.13
La Garde No. 1	3.49
Lamb	473.00
Link No. 1	325.89
Link No. 2	0
Lone Tree	36.41
Mansfield and Enlargement	565.60
Mansfield No. 2	518.87
Martin No. 1	265.15
Martin No. 2 and Enlargement	522.20
McIntyre	183.96
Nellie	179.06
Ollie	235.19
Pache	331.97
Parker	0
Pine Creek and Enlargement	14.89
Roaring Creek	53.63
Stuck	121.82
Smith-Brown	249.08
Stuart No. 1	67.35
Stuart No. 2	6.12
Stubb	51.04
Schnitger	301.07
Trollope	29.73
Talmdage No. 1	54.17
Talmdage No. 2	0
Timothy	504.61
Warren	61.53
Ward No. 1	71.08
Ward No. 2	47.95
Wright	659.20
Yelton	376.63
French Woman	11.59
Total	10,004.38—19,843 A. F.
HAY CROP	3,139.28 Tons

TRANS-MOUNTAIN DIVERSIONS—LARAMIE RIVER

Name of Ditch	Amount Diverted Acre Feet
Bob Creek	No Diversion
Columbine	No Diversion
Deadman	No Diversion
Laramie-Poudre Tunnel	5-12 to 7- 3 9,082.00
Lost Lake	5-25 to 6-17 217.00
Skyline	5-12 to 7-18 10,576.00
Total	19,875.00

TRANS-MOUNTAIN DIVERSIONS

Irrigation Division No. 1

1944

Name of Diversion	From To Dist. Dist.	Source of of Supply	First Day	Last Day	Acre Feet
Deadman Ditch.....48	3	Laramie River.....	....	....	0
Laramie-Poudre Tunnel.....48	3	Laramie River.....5-21	7- 3	9,082	
Skyline Ditch.....48	3	Laramie River.....5-21	7-18	10,576	
Lost Lake Ditch.....48	3	Laramie River.....5-25	6-17	217	
Columbine Ditch.....48	3	Laramie River.....	....	0	
Bob Creek Ditch.....48	3	Laramie River.....	....	0	
Sand Creek Ditch....48	3	Sand Creek.....5-26	6-10	1,705	
Michigan Ditch.....47	3	North Platte River.6-15	8- 5	1,797	
Cameron Pass Ditch..47	3	North Platte River.6-19	7-15	186	
Grand River Ditch...51	3	Colorado River.....5-30	9- 2	16,629	
Moffat Tunnel.....51	6-7	Colorado River.....5-31	11- 7	16,196	
Williams Fork Tunnel.....51	7	Colorado River.....7- 4	9-17	3,941	
Berthoud Pass Ditch.51	7	Colorado River.....6-20	8- 5	430	
Eureka Ditch.....51	4	Colorado River.....6-25	9-10	95	
TOTAL					60,854

MOFFAT TUNNEL SUMMARY

1944

	Ac. Ft.
East Portal at R. F.....	16,196
Diverted at Eldorado Springs.....	14,238
Loss in transit charge.....	405
To Clear Creek for exchange.....	2,600
Exchange used.....	2,112
To South Boulder Creek.....	1,553

WILLIAMS FORK TUNNEL

East Portal of Tunnel.....	3,941
Diverted for agricultural use.....	3,108
Charge for loss in transit.....	197
Balance to Clear Creek for exchange.....	636

The following is a statement of water in storage in Irrigation Division No. 1, from January 1 to December 1, 1944, tabulated by Districts. Does not include North Park District No. 47, Laramie River Basin District No. 48, nor District No. 65, as there is very little storage in any of these Districts.

Values in Acre Feet

Dist. No.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	63,165	82,172	102,309	116,366	131,313	134,111	112,045	73,523	19,425	2,590	2,489	30,305
2	.....	29,072	41,089	51,375	81,227	92,483	82,402	64,915	30,531	15,296	13,095	18,844
3	.....	70,878	74,916	81,142	102,981	129,104	122,912	101,894	43,600	29,155	29,792	33,300
4	.....	37,795	39,644	40,125	65,495	89,753	85,604	74,062	48,078	37,717	34,723	34,767
5	.....	9,360	10,902	11,937	23,280	31,299	31,316	21,082	11,903	6,344	6,221	5,954
6	.....	17,149	17,913	17,305	17,118	23,531	34,222	30,128	22,130	17,394	15,841	14,590
7	.....	8,122	12,778	4,402	5,692	13,879	13,126	12,908	9,575	8,221	7,722	7,076
8	.....	15,247	16,370	16,451	17,799	17,229	16,100	16,282	14,233	12,100	14,178	14,842
9	.....	2,811	4,022	4,372	7,554	8,468	7,232	5,381	2,857	2,065	1,721	1,700
23	.....	166,281	162,648	164,678	178,380	185,286	185,000	182,862	173,312	168,307	162,491	160,302
64	.....	59,549	83,321	102,284	122,781	117,517	95,807	80,546	37,075	14,757	27,145	39,109
Totals	....	517,635	566,287	610,250	760,033	854,659	785,766	663,583	412,739	314,046	315,418	360,789
City of Denver	187,389	184,282	183,418	183,255	196,445	209,189	206,716	207,723	195,353	187,062	183,160	180,653
Bal. for Irrig.	279,700	333,353	382,869	426,995	563,588	645,470	579,050	455,860	217,376	126,984	132,258	180,136

SUMMARY OF WATER COMMISSIONER'S CROP REPORT FOR THE IRRIGATION SEASON OF 1944 IRRIGATION DIVISION NO. 1

Dist. No.	First Day Water Used from Natural Stream	Last Day Water Used from Natural Stream	No. Acre Feet Used for Season	Total No. Acres That can be Irrigated	Alfalfa
1	8-44	10-31-44	306,757	163,912	35,342
2	1-44	10-31-44	374,259	226,700	39,462
3	7-44	11- 6-44	332,900	380,000	64,616
4	7-44	10-31-44	160,831	167,000	38,350
5	16-44	10-31-44	113,919	112,235	34,830
15	1-44	10-29-44	102,316	†195,335	28,492
17	1-44	10-31-44	133,624	117,180	13,505
8	4- 1-44	10-31-44	126,884	120,000	9,826
9	3- 1-44	10-31-44	33,642	16,349	4,818
23	4-27-44	10-31-44	E. 120,000	50,000	.....
47	5- 1-44	9-18-44	E. 130,000	70,000	.....
48	5- 1-44	11-29-44	19,843	5,000	.....
64	4- 9-44	11-31-44	282,216	195,184	37,665
65	5- 1-44	11-15-44	18,045	*8,400	875
Totals			2,255,236	1,827,295	307,781

†Acreage reported too high since 1922. Land cruise of 1930 shows irrigated area to be 72,142 acres.
*5,000 acres in Nebraska.

Dist. No.	Natural Grasses	Cereals	Orchards	Market Gardens	Potatoes	Sugar Beets
1	14,505	28,797	152	371	2,069	13,471
2	10,628	80,277	340	12,059	11,777	27,668
3	5,007	12,859	1,567	3,915	29,079	35,308
4	3,005	72,690	2,020	645	7,802	9,020
5	8,865	49,215	90	670	200	16,525
15	61,125	45,605	655	2,562	335	4,320
17	1,230	52,314	1,632	10,803	156	1,540
8	958	6,141	31	2,211	10	162
9	1,653	5,069	89	350	.....	175
23	40,000	.....	.....	.....	.....	.....
47	43,614	.....	.....	.....	.....	.....
48	4,600	(3,139 Tons Native Hay)	.....	.....	.....	.....
64	29,926	41,789	125	983	3,602	16,699
65	262	0	15	57	19	13
Totals	222,678	454,756	6,716	34,626	55,049	124,901

Dist. No.	Beans	Peas	Cabbage	Corn	Other	Total Irrigated
1	20,925	.....	17	25,714	10,265	151,628
2	23,460	760	2,192	.....	11,047	219,670
3	11,554	570	803	.....	38,882	264,160
4	3,260	2,210	421	2,570	1,917	141,210
5	.....	.....	540	.....	700	111,635
15	1,090	465	139	18,438	9,188	†172,414
17	867	335	1,197	6,585	4,957	95,121
8	10	.....	.....	.....	4,286	23,635
9	35	.....	100	1,340	435	14,064
23	.....	.....	.....	.....	.....	40,000
47	.....	.....	.....	.....	.....	43,614
48	.....	.....	.....	.....	.....	4,600
64	5,259	0	30	29,885	5,921	171,884
65	15	0	0	1,633	558	13,447
Totals	66,475	4,340	5,439	86,165	88,156	1,457,082

†Acreage reported too high since 1922. Land cruise of 1930 shows irrigated area to be 72,142 acres.
‡1,976 acres in Nebraska.

ANNUAL REPORT—IRRIGATION DIVISION NO. 2 FOR THE YEAR 1943

Pueblo, Colorado, Dec. 1, 1943.

Mr. M. C. Hinderlider
State Engineer
Denver, Colorado

Dear Sir:

The season of 1942 was very wet with rainfall above average and stream flow the highest on record. This allowed all reservoirs to fill and water was carried over for the season of 1943. The spring of 1943 started off favorably with an average rainfall through the winter months and above the average for May, which materially assisted in sprouting all seeding.

Dry weather started in June and continued through the growing season. Precipitation in June, July, and August was 2.44 inches below normal. River flow was correspondingly short. Fortunately the reservoir water helped out materially and crops on the whole were good. With good prices the farmers had a prosperous year.

There were no disastrous floods during the 1943 season, neither were there any bad hail storms with consequent destruction of crops.

Snowfall in the mountains was below the average which resulted in less runoff. Reservoir water added much to the supply of water for direct irrigation. The snow in the mountains had drifted into the timber and gulches and was slow in coming out and run off continued well into July, which was fortunate for the ditches with the earlier decrees.

The following table gives the rainfall record for the Pueblo station and the average rainfall for the past 51 years:

Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
1942	1942	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	Total
0.07	0.49	0.26	0.46	0.23	0.56	3.18	0.50	0.98	1.20	0.61	0.17	8.71
Average:												
0.36	0.50	0.31	0.47	0.59	1.31	1.60	1.36	1.94	1.82	0.75	0.66	11.67

For the season the rainfall was 2.96 inches below the average; 2.44 inches of the shortage was in the growing season.

The winter wheat, barley and oats crop was a practical failure due to aphids which attacked the plants at the surface of the ground, sapping the stems and causing the plants to turn yellow.

low and die. This is the first time this has happened to the small grain crop in many years. Other insect pests were less numerous than in former years.

Five of the seven trans-mountain diversions were operated and two of those delivered above an average amount of water. A total of 57,123 acre feet of trans-mountain water was brought over to the Arkansas River water shed during the 1943 season.

The discharge of the Arkansas River at Pueblo for 1943 amounted to 537,400 acre feet which is 103 per cent of the average. The average discharge at the Pueblo station is 518,000 acre feet.

On May 1, 1943, a total of 363,354 acre feet was in storage in the many reservoirs of this irrigation division. On November 1, 1943, the amount in storage was 117,427 acre feet. During the season there was practically no storage of water as the streams did not get high enough to supply the demands for direct irrigation.

The 1943 season was the first one in which water was passed to Kansas under a stipulation entered into in 1933. A decision of the United States Supreme Court is expected in the Colorado-Kansas litigation over the waters of the Arkansas River, before another irrigation season. This is certain to complicate the operation of the river and the delivery of water to the Colorado ditches.

Attached hereto is a tabulation of the Water Commissioners annual crop reports and also a report on the amount of water in the major reservoirs on the first of each month.

This office has built up a set of records over the years, that have become valuable to prospective investors and are consulted frequently when any transactions involving the sale of reservoirs or water rights are involved. They give information as to the amount of water captured by the reservoirs in past years and the amount of water diverted by canals. From this information some idea can be obtained of the amount of water to expect in the years to come.

Respectfully submitted,

C. W. BEACH,
Division Engineer Irrigation Division No. 2.

Number of District	Amount Appropriated in Sec. Feet	Capacity Ditches	Length Main Ditches in Miles	First Day Water Used from Natural Stream	Last Day Water Used from Natural Stream	Maximum Number of Days Water Diverted from Natural Stream	Maximum Number of Days Water Diverted from Reservoirs	Amount of Water in Acre Feet	Average Daily Amount Diverted from Natural Stream	Number of Acre Feet Diverted from Natural Stream	Number of Acres That Can Be Irrigated	Alfalfa	Irrigated Pasture
10.....	649.11	.....	.....	Feb. 25	Oct. 31	189	.....	.....	152.02	37,423.50	26,109	4,472	902
11.....	.....	.....	.....	Mar. 1	Oct. 31	245	.....	.....	905.54	360,181	45,907	6,669	3,552
12.....	1,206.31	2,285	.....	Nov. 1	Oct. 31, 1943	365	.....	.....	384.46	99,078	.....	5,596	.....
13.....	528.37	.....	.....	May 1	Aug. 31	80	128	3,005	176.86	15,819	14,415	1,403	.....
14.....	1,976.15	.....	.....	Nov. 1	Oct. 31, 1943	344	.....	.....	239.80	191,493	117,007	27,729	.....
15.....	221.6	227.4	.....	Nov. 1	Oct. 31, 1943	210	.....	.....	80.16	12,339	68,600	2,697	.....
16.....	1,541.4	51,571.51	.....	Apr. 1	Oct. 20	169	.....	.....	337.14	32,127.15	.....	16,470	.....
17.....	21,738.37	16,242	.....	Nov. 1	Oct. 31, 1943	365	.....	.....	.....	.....	.....	.....	.....
18.....	383.25	.....	.....	May 8	Aug. 21	27	.....	.....	51	392	8,556	547	.....
19.....	1,880.54	.....	.....	Nov. 1	Oct. 31, 1943	300	.....	.....	473	164,138	50,880	3,730	.....
67.....	2,239.86	.....	.....	Nov. 1, 1942	Oct. 31, 1943	316	155	.....	.....	.....	.....	12,788	.....
Totals..	32,165.36	.....	.....					3,005	2,800.08	963,373.65	343,613	82,101	4,454

District Number	Grasses Natural	Cereals	Orchards	Market Gardens	Head Lettuce, Cauliflower, Cabbage	Potatoes	Onions	Melons	Sugar Beets	Corn	Peas, Beans	(Cane, Maize, Sorghum	Other Crops	Total Irrigated
10.....	2,800	2,405	152	246	.....	.....	.....	.....	864	3,033	132	44	1,728	17,312
11.....	12,466	9,386	211	136	344	268	.....	.....	.....	.....	3,811	.....	.....	36,394
12.....	1,993	6,056	3,258	874	106	0	0	0	80	.....	340	.....	1,274	19,633
13.....	10,015	1,021	.....	1	136	85	.....	.....	.....	.....	30	.....	35	1,415
14.....	7,322	33,970	208	2,791	417	.....	3,889	4,104	13,757	.....	5,843	.....	1,202	102,968
15.....	2,048	2,204.5	15	1	.....	14	.....	53	30	.....	46.25	.....	.....	8,374.25
16.....	18,567	11,154	112	116	695	20	3,283	1,667	473	270	2,292	897	656	50,878
17.....	2,541	29,078	143	1,045	.....	102	.....	13,230	13,230	23,728	4,029	12,417	2,723	153,515
18.....	350	810	2	.....	78	17	103	20	1,319	50	1,00	.....	.....	16,993
19.....	4,247	3,574	11	143	.....	77	58	218	3,515	11,764	1,855	10,849	852	16,993
67.....	3,824	13,618	561	204	50	.....	.....	.....	.....	.....	.....	.....	2,164	61,552
Total ..	66,173	113,276	4,673	5,557	1,826	583	7,333	6,062	33,168	39,405	20,023	24,207	10,634	485,021

No.	Name	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
10	Fountain Valley No. 2	4,295	4,295	4,144	4,987	4,847	4,898	4,847	5,076	3,406	1,944	1,685	1,357
10	Fountain Valley No. 3	450	405	450	450	288	405	263	244	215	99	188	167
10	Spring Run No. 2	154	297	191	145	163	192	116	192	116	181	181	164
10	Calahan	223	223	223	323	132	229	269	263	141	47	133	124
10	Cheney Mountain	189	189	189	189	189	189	189	240	252	189	124	124
10	Monument (State)	404	360	360	13,307	13,347	13,245	13,245	403	17,008	9,229	8,596	7,782
11	Sugar Loaf	13,307	13,307	13,307	45,503	45,587	42,607	26,994	32,268	54,633	35,472	31,121	27,382
11	Twin Lakes	46,044	45,611	45,612	45,503	45,587	42,607	26,994	32,268	54,633	35,472	31,121	27,382
11	Clear Creek	8,745	8,745	8,745	9,349	9,349	8,857	8,857	6,733	5,095	590	590	605
12	Skaguay	8,745	8,745	8,745	1,809	947	386	386	1,385	1,385	1,422	1,444	1,407
12	Mount Pisgah	1,809	1,809	1,809	2,023	2,129	2,204	2,204	3,725	3,725	1,130	1,160	1,125
12	Brush Hollow	1,903	1,903	1,903	2,074	2,074	3,725	3,725	3,725	3,725	2,498	584	518
12	City of Colorado Springs	4,139	4,841	4,841	4,841	4,054	3,790	2,662	2,662	5,238	4,739	5,392	5,392
13	Deeweese-Dye	4,066	4,040	4,118	4,322	4,322	4,322	4,322	4,144	2,983	4,426	1,818	1,453
14	Teller	2,347	2,271	2,182	2,086	2,054	1,971	1,877	1,944	1,348	*	718	486
14	Lake Henry	5,036	4,710	4,118	3,944	5,962	5,962	3,414	6,415	3,858	3,809	3,359	2,482
14	Lake Meredith	33,659	35,042	35,043	661	747	839	777	31,430	608	319	305	252
15	Beckwith (Hayden)	661	558	608	1,042	1,042	1,042	1,042	1,042	1,042	1,042	1,042	1,042
15	Lake Isabel	1,042	1,042	1,042	1,347	1,328	1,297	1,247	1,261	1,143	1,101	1,065	1,024
15	Minnequa	1,167	1,267	1,303	2,639	2,664	2,649	2,649	2,638	2,639	2,701	2,633	2,689
15	C. F. & I. Reservoir No. 2	2,713	2,664	2,658	4,520	4,444	4,722	6,109	7,025	6,603	4,564	4,520	3,685
15	C. F. & I. Reservoir No. 3	4,317	5,630	5,961	4,520	4,444	4,722	6,109	7,025	6,603	4,564	4,520	3,685
16	Coler	3,795	4,844	2,071	2,071	2,071	2,071	2,071	1,394	621	271	271	196
16	Cucharas	12,858	9,425	7,171	5,818	3,880	1,699	273	1,252	1,699	1,056	463	58
16	Bradford	0	0	0	0	0	0	0	0	0	0	0	0
16	Huerfano Valley	1,557	1,557	1,557	1,557	1,557	1,813	1,614	*	902	349	349	308
16	Crane Holmes No. 1	0	0	0	0	0	0	0	0	0	0	0	0
16	Lindsley Lake	0	0	0	0	0	0	0	0	0	0	0	0
16	Holita	432	432	432	432	432	432	432	195	37	37	37	13
16	Valdez	0	0	0	0	0	0	0	0	0	0	0	0
16	Dyson	1,288	1,441	1,441	1,441	1,441	1,112	893	784	565	0	0	0
17	Dye	1,906	2,817	2,799	2,781	3,131	3,019	2,265	2,128	1,155	75	0	0
17	Holbrook No. 1	2,808	4,052	4,053	4,053	4,664	4,776	3,656	3,214	2,596	2,147	14	0
17	Horse Creek	14,358	19,581	19,649	18,882	20,821	20,798	19,523	17,938	15,452	1,147	0	0
17	Adobe Creek	56,833	57,993	57,529	57,761	60,322	60,322	42,399	42,399	39,669	26,158	25,796	21,835
17	Seven Lakes	350	300	600	800	800	800	700	600	300	0	0	0
18	Model	6,201	8,287	7,163	8,287	8,701	8,701	6,430	4,487	2,082	2,435	1,871	0
19	Hermosa	5,388	6,201	7,163	8,287	8,701	8,701	6,430	4,487	2,082	2,435	1,871	0
19	North Lake	858	837	896	788	724	672	772	858	858	858	858	858
19	Monument	1,429	1,429	896	1,389	1,266	1,266	1,266	1,266	1,266	1,168	1,168	1,168
67	Nee Noshoe	48,217	45,717	48,217	*	99,107	*	101,352	97,794	85,493	48,864	47,796	26,380
67	Nee Sonah	17,943	18,185	19,852	19,597	19,342	18,917	16,907	15,824	12,472	8,431	7,473	992
67	Two Buttes	9,909	9,782	9,591	9,655	9,401	9,147	9,020	8,431	4,696	0	0	0
67	Thurston	605	605	605	605	605	605	605	605	605	605	605	605
67	Caddoa	4,202	4,202	4,202	4,202	4,202	4,202	4,202	4,202	4,202	4,202	4,202	4,202

*No report

ANNUAL REPORT—IRRIGATION DIVISION NO. 2 FOR THE YEAR 1944

Pueblo, Colorado, December, 1944.

Mr. M. C. Hinderlider
State Engineer
Denver, Colorado

Dear Sir:

The season of 1944 started off favorably. During the months of March, April and May the rainfall was above the average which started crops in good shape, in fact the ground was so wet during March and April that it interfered materially with the planting, but the extra rainfall provided storage water for many of the reservoirs. June was a dry month, but rains were plentiful in July, however the August rainfall was short. The extra water captured in the reservoirs was a great help during this time in maturing crops.

There were no disastrous floods in 1944. The section of the Arkansas Valley lying just east of Pueblo had some bad hail storms, some being hit twice during the season. Other parts of the country were practically free from hail. Insect pests did no material damage. The aphid scourge which was so prevalent in 1943 did not appear.

The snowfall in the mountains was below the average, but the reservoir water captured in the spring months supplied the deficiency in irrigation water during June and August.

The following table gives the rainfall record for the Pueblo station and the average for this station for the past 52 years:

Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
1943	1943	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944	Total
0.35	0.62	0.32	0.09	1.36	2.47	1.90	0.34	2.91	1.13	0.20	0.32	12.01
Average:												
0.36	0.50	0.31	0.47	0.59	1.31	1.60	1.36	1.94	1.82	0.75	0.66	11.67

The total rainfall for the year was 12.01 inches and is slightly above the average.

The rainfall for 1944 at Las Animas was 20.95 inches and at Lamar 21.64 inches and permitted storage in all reservoirs, most of them were again filled.

The flow of the Arkansas River at Pueblo amounted to 474,180 acre feet. The average flow for 50 years is 520,000 acre feet.

The Caddoa Reservoir captured 50,576 acre feet by March 5th, this water was run to ditches in water district No. 67 and

to ditches in western Kansas during the spring months, which allowed junior rights west of the Caddoa Reservoir to be supplied from the Arkansas River. The month of August was below the average in rainfall and runoff and the same practice was again followed to the benefit of all. Ditches in western Kansas were given an excellent run of water as were all ditches in Colorado. The value of a supply of water to be used at the critical time in the growth of crops was again demonstrated.

Four of the seven trans-mountain diversions were operated the past season. A total of 40,342 acre feet of trans-mountain water was brought to the Arkansas River watershed. More could have been diverted had it not been that ditches were supplied from the Arkansas River at the time of heavy trans-mountain flow.

A total of 62,413 acre feet of trans-mountain and reservoir water was transported down the river for canals near Pueblo. A charge of 8,741 acre feet was made for this transportation.

The amount of water in storage on May 1, 1944 was 249,385 acre feet. This was divided as follows: For irrigation purposes 217,450 acre feet. For manufacturing purposes 27,058 acre feet and for domestic use 4,877 acre feet. The average amount for all purposes in storage for the past 24 years is 188,791 acre feet.

The amount in storage on November 1, 1944 was 213,090 acre feet. This was distributed as follows: For irrigation purposes 184,324 acre feet. For manufacturing purposes 21,535 acre feet, and for domestic use 7,231 acre feet. The average on November 1st for all purposes for the past 24 years is 133,779 acre feet.

A decision of the United States Supreme Court in the litigation between Colorado and Kansas over the waters of the Arkansas River resulted in a victory for Colorado. The only question left to be settled is the division between the two states, of water impounded in the Caddoa Reservoir. It is hoped that an agreement will be reached in the near future.

Respectfully submitted,

C. W. BEACH,
Division Engineer of Irrigation Division No. 2.

Number of District	Amount Appropriated in Second Year	Capacity in Ditches	Length of Main Ditches in Miles	First Day Water Used from Natural Stream	Last Day Water Diverted from Natural Stream	Maximum Number of Days Water Diverted from Natural Stream	Maximum Number of Days Water Diverted from Reservoirs	Water Diverted from Reservoirs in Acre Feet	Average Daily Amount Diverted from Natural Stream	Number of Acre Feet Diverted from Natural Stream	Number of Acres that can be Irrigated	Alfalfa	Irrigated Pasture
10.....	.....	.....	.....	Nov. 1, 1943	Oct. 31, 1944	205	194	12,302	185.87	43,588.75	26,609	4,287	667
11.....	.....	.....	.....	Nov. 1, 1943	Dec. 31, 1944	306	70	.....	720	226,437	48,189	5,897	3,403
12.....	691.80	.....	.....	Nov. 1, 1943	Oct. 31, 1944	365	79	2,967	331.79	105,500	.....	5,604	.....
13.....	543.03	.....	.....	April 26	Sept. 5	.....	.....	.....	378.28	36,844	23,488	1,969	.....
14.....	1,977.65	2,341	.....	Nov. 1, 1943	Oct. 31, 1944	214	.....	.....	634.40	300,360	116,727	26,224	.....
15.....	1,211.9	2,555	.....	Nov. 1, 1943	Oct. 31, 1944	214	.....	.....	119.8	38,310	12,977	2,913.5	.....
16.....	1,513.66	4,452.96	.....	Mar. 20	Oct. 31, 1944	214	30	6,907	64,019	118,370	124,284	16,568	.....
17.....	21,538	16,226	.....	Nov. 1, 1943	Oct. 31, 1944	361	84	62,247	2,326	518,334	255,185	60,422	.....
18.....	No reports	.....	.....	Nov. 1, 1943	Oct. 31, 1944	254	168	289,984	404	169,146	70,850	6,387	.....
19.....	1,881.84	.....	.....	Nov. 1, 1943	Oct. 31, 1944	335	.....	.....	.....	.....	.....	12,882	.....
67.....	2,239.86	.....	.....	.....	.....	2,564	625	374,407	5,740.33	155,694.75	678,309	143,153.5	4,070
Totals, 30,597.74	23,275.46	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Number of District	Natural Grasses	Cereals	Orchards	Market Gardens	Head Lettuce, Cauliflower, Cabbage	Potatoes	Onions, Celery	Melons	Sugar Beets	Corn	Peas, Beans	Cane, Sorghum,	Other Crops	Total Irrigated
10.....	3,967	2,690	268	500	915	0	.....	.....	986	2,499	218	228	351	18,376
11.....	13,497	8,338	148	92	348	313	.....	.....	13	.....	2,795	.....	1,264	25,317
12.....	9,308	6,622	3,233	751	348	137	.....	25	72	.....	246	.....	1,264	19,973
13.....	18,376	2,737	.....	30	26	.....	.....	.....	.....	.....	20	.....	138	23,488
14.....	6,862	37,229	222	2,827	331	5,791	5,791	3,880	12,284	.....	4,675	.....	1,303	107,667
15.....	1,196	20,98	14	.....	1	.....	.....	14	367	289	46	105	1,160	1,467
16.....	17,540	8,111	92	57	.....	20	4,314	1,824	11,882	2,4010	2,797	14,098	1,673	45,314
17.....	3,344	31,582	141	1,216	.....	615	.....	.....	.....	.....	2,856	.....	1,572	157,666
18.....	No report	.....	.....	.....	20	.....	550	313	1,207	960	823	12,900	2,194	20,022
19.....	5,703	4,269	554	350	.....	100	218	.....	1,896	10,613	397	27,331	9,655	60,496
67.....	1,626	15,956	4,672	5,984	1,641	1,185	10,887	6,162	28,314	38,371	14,873	27,331	9,655	491,786
Totals	74,421	113,632	4,672	5,984	1,641	1,185	10,887	6,162	28,314	38,371	14,873	27,331	9,655	491,786

ANNUAL REPORT—IRRIGATION DIVISION NO. 3 FOR THE YEAR 1943

Alamosa, Colorado

Mr. M. C. Hinderlider
State Engineer
State Capitol Building
Denver, Colorado

Dear Mr. Hinderlider:

Herewith is submitted my annual report for the 1943 season consisting of a tabulated list of irrigation activities, including diversions to ditches, reservoir storage, and crop conditions.

On the whole the season was quite favorable to crops except in the northern end of the Division in Districts 25, 26 and 27 where a virtual drought existed.

There was no high water in any of the streams and practically all the water that came down was diverted to beneficial uses. The diversions from streams were below the average, but due to the fact that the water came down late, the diversions were put to the most beneficial use. Also in the southern end of the Division the rains came at opportune times, which made it possible for the crops to mature in a most satisfactory manner.

There was practically no water for reservoir storage, and all the diversion from the reservoirs was from the storage carried over from the previous season.

Yours very truly,

ROY B. HEILMAN,
Irrigation Division Engineer, Division No. 3.

WATER COMMISSIONER'S DITCH REPORTS 1943

No. of Water District	No. of Priorities Reported	First Day Water was Carried	Last Day Water was Carried	Maximum No. Days Water was Carried	No. of Acre Feet Carried by all	No. Acres That can be Irrigated
20	419	3-11	11-15	242	523,429	498,469
21	76	3-15	11-10	221	82,116	70,785
22	183	3-11	11-20	255	365,212	190,479
23	93	4- 1	10-31	214	33,345	49,665
24	96	4- 1	10-31	215	33,120	147,502
25	116	4- 1	11-15	230	36,006	62,474
26	77	4- 1	10-31	207	6,198	13,838
27	79	3-25	11-19	220	43,793	43,861
Totals	1,148				1,123,219	1,077,073

These figures include Reservoir water and Trans-Mountain Diversions.

1943 TRANS-MOUNTAIN DIVERSIONS

Squaw Pass	190	Acre Feet
Treasure Pass	200	Acre Feet
Tabor	237	Acre Feet
Piedra	174	Acre Feet

Weminuche

Raber Lohr	2,073	
Fuchs	958	3,031 Acre Feet
Total		3,832 Acre Feet

WATER COMMISSIONER'S RESERVOIR REPORTS

1943

Name of Reservoir	Capacity in Acre Feet	Amount in Storage	
		May 1, 1943 Acre Feet	Nov. 1, 1943 Acre Feet
Rio Grande	51,113	13,089	0
Santa Maria	53,565	15,431	732
Continental	26,716	16,855	7,758
Archuleta	96	63	0
Spruce No. 1	103	71.5	0
Spruce No. 2	93	92.5	0
Fuchs	211	211	34
Troutvale No. 2	168	168	168
Squaw	158	122	0
Poage	260	170	0
Shaw	492	280	0
Bristol Head No. 1	151	121	0
Bristol Head No. 2	804	308	0
Regan	516	)	0
Road Canon	2,800	1,357	0
Lost Lakes	1,066	614	0
Trout Lake	198	198	0
Goose Lake	232	150	0
Spring Creek	165	145	0
Meadow Lake	114	71	0
Metroz	188	150	0
Sowards Lake	200	200	200
Bergeys Lake	28	28	28
Botefur	8	8	8
Chenowith	40	40	40
Humphreys Lake	842	842	842
Wee Ruby	186	186	186
Ruby Lake	120	120	120
Lake Cliff	20	20	20
Hunter Lake	48	48	48
S Dude Ranch	125	106	0
Hermit Lake No. 1	360	74	33
Hermit Lake No. 2	360	123	53
Goins Lake	40		
Beaver Park	4,434	457	0
Grace Lake	605		
Terrace	17,700	1,280	0
La Jara	14,052	3,331	1,921
Cove Lake	9,710	2,090	0
Sanchez	103,155	34,996	12,250
Eastdale	13,468	934	0
Salazar	120	60	50
Mountain Home	19,150	7,490	548
Smith	6,212	4,735	963
Totals	320,192	106,835	26,052

NUMBER ACRE FEET DIVERTED FROM RESERVOIRS

1943

District No. 20	40,938	Acre Feet
District No. 21	2,638	Acre Feet
District No. 22	2,324	Acre Feet
District No. 24	20,650	Acre Feet
District No. 35	18,901	Acre Feet
Total	85,451	Acre Feet

WATER COMMISSIONER'S CROP REPORTS 1943

Water Dist.	Number of Acres				
	Alfalfa	Natural Grass	Cereals	Pasture	Garden Peas
20	59,942	42,950	42,519	113,624	4,459
21	6,776	16,598	6,859	.....	5,850
22	15,329	29,611	18,406	18,227	2,682
24	4,345	2,740	9,481	3,435	232
25	1,483	31,020	837	110,596	.....
26	3,004	30,755	534	12,688	.....
27	757	4,070	146	6,127	43
35	2,579	15,226	3,107	2,281	936
Totals	94,215	172,970	81,889	266,978	14,202

Water Dist.	Number of Acres				
	Potatoes	Sugar Beets	Beans	Field Peas	Cabbage
20	30,498	2,571	146	15,466	347
21	2,026	55	385	3,530	97
22	1,291	251	686	5,561	199
24	725	.....	1,914	10,357	340
25	54	.....	1	50	.....
26	20	.....	.....	.....	.....
27	489	.....	21	61	.....
35	166	44	223	2,234	403
Totals	35,269	2,921	3,376	37,259	1,386

Water Dist.	Sweet Clover	Number of Acres			Other Crops
		Lettuce	Cauliflower	Spinach	
20	33,375	1,029	233	235	6,679
21	1,803	10	65	.....	2,175
22	6,439	10	200	.....	1,761
24	290	65	1,000	.....	1,979
25	.....	.....	.....	.....	500
26	.....	.....	.....	.....	210
27	.....	.....	.....	.....	273
35	.....	57	.....	.....	827
Totals	41,907	1,171	1,498	235	14,404

Water Dist.	Total Acres Irrigated				
20	354,073
21	46,229
22	100,653
24	36,903
25	144,541
26	47,211
27	11,987
35	28,083
Total	769,680

ACRES IRRIGATED FOR 10 YEAR PERIOD		ACRE FEET OF WATER DELIVERED TO DITCHES OVER 10 YEAR PERIOD	
1934	638,766	1934	700,740
1935	755,727	1935	1,589,432
1936	663,724	1936	1,157,522
1937	646,082	1937	1,110,519
1938	702,392	1938	1,371,664
1939	715,332	1939	994,770
1940	664,267	1940	769,141
1941	717,654	1941	1,635,840
1942	733,996	1942	1,398,212
1943	769,680	1943	1,123,219

ANNUAL REPORT—IRRIGATION DIVISION NO. 3
FOR THE YEAR 1944

Alamosa, Colorado.

Mr. M. C. Hinderlider
State Engineer
State Capitol Building
Denver, Colorado

Dear Mr. Hinderlider:

Herewith is the annual report of the Division Engineer for Division No. 3, for the year 1944, consisting of tabulated lists of Water Commissioner's reports of diversions to ditches, crop acreages and reservoir storage.

The water run off on most of the streams was excessive during the early part of the season. All the streams on the west side of the Valley were at or near flood stage for from one to five weeks. These streams were not put on appropriation basis until ten to twenty days later than usual. All the water needed for diversions during this period was taken, and a large amount went down to New Mexico. In District No. 20 the river held up well and most of the later ditches ran water fifteen to twenty days later than usual.

Due to the excessive run off most of the reservoirs were filled to capacity. Due to the late run off, the demand for reservoir water was not sufficient to take all the stored water and hence the larger reservoirs carried over considerable storage. From about July 10th to October 1st, there were practically no beneficial rains which made the demand for reservoir more than it would have been otherwise. Some irrigation pumps were used, but for a much shorter period than usual.

There were very few administrative problems presented, which is usually true when there has been a good run of water. There were no major repairs made due to the shortage of materials and competent labor.

The season was very favorable for crops, except for garden peas. The yield was good and the prices also good. The range in the mountains held up well considering the lack of rains, but some livestock was brought down early due to the shortage of feed.

The potato acreage was increased which is reflected in the report of vegetable shipments from the Valley. The yield and the quality of the potatoes was above the average. The fall season was late, which gave the potatoes an opportunity to mature well before digging time.

The garden pea crop, which was exceptionally good in 1943, was somewhat of a disappointment this year. This was due to several circumstances, the spring was too wet and then it turned too dry, which with a late frost in June, caused a poor yield. The price for peas was less than in 1943, and the cost of production more. Other vegetable crops did very well, the yield being good, and the prices for some being very good.

The hay crop was good. Districts No. 25 and No. 26 putting up a good crop, whereas in 1943 those two districts put up about a 50% crop. Most of the hay was put up without damage by rains.

The labor situation was and is acute in this Valley. This was partially relieved by the importation of some Mexican Nationals, and an increase in the number of German Prisoners of War, made available for farm labor from the Prisoner Camp at Monte Vista.

The decrease in the sugar beet acreage was due to the price situation and the labor outlook at planting time. Because of the lack of labor there were a few fields of beets not harvested. The tonnage per acre was not up to normal for the Valley, and the percentage of sugar content was also down.

Climatological data is not included in this report as that information can be secured elsewhere, and in better shape than it can be presented here.

In submitting this report I want to express my appreciation to all parties who assisted in the administration of water during the past season.

Respectfully submitted,

ROY B. HEILMAN,

Irrigation Division Engineer, Division No. 3.

WATER COMMISSIONER'S DITCH REPORTS

1944

No. of Water District	No. of Priorities Reported	First Day Water Was Carried	Last Day Water Was Carried	No. Days Water Was Carried	No. of Acre Feet Carried by All
20	419	3-13	11-13	245	730,248
21	76	3-22	11-10	233	122,865
22	187	3-11	11-10	244	382,135
24	98	4- 1	10-31	214	79,481
25	96	4- 1	10-31	214	84,410
26	116	4- 3	10-31	211	66,485
27	77	4-15	10-31	199	12,560
35	70	4-10	11-12	216	79,385
Totals	1,139				1,557,569
These figures include Reservoir water and Trans-Mountain Diversions.					

1944 TRANS-MOUNTAIN DIVERSIONS

Squaw Pass	154	Acre Feet
Treasure Pass	38	Acre Feet
Tabor	77	Acre Feet
Weminuche		
Raber Lohr	548	
Geo. Fuchs	220	768 Acre Feet
Total	1,037	Acre Feet

WATER COMMISSIONER'S DITCH REPORTS

1944

Water District	No. Acres That Can Be Irrigated	Number of Acres				
		Alfalfa	Natural Grass	Cereals	Pasture	Garden Peas
20	503,005	62,873	50,126	51,997	107,925	3,533
21	59,324	6,249	17,440	7,370	66	5,480
22	191,870	14,315	31,056	16,233	18,753	2,238
24	49,299	4,362	2,625	10,218	3,060	640
25	148,332	1,514	56,608	816	58,995	.....
26	57,774	2,921	31,040	720	12,772	.....
27	15,265	1,026	5,991	274	5,908	113
35	45,458	2,161	10,926	3,881	1,720	254
Totals ..	1,070,317	95,421	205,812	91,509	209,199	12,258

Water District	Potatoes	Sugar Beets	Number of Acres			
			Beans	Field Peas	Cabbage	Lettuce
20	35,684	1,674	50	16,499	369	1,021
21	2,608	92	320	3,358	143	18
22	1,617	92	544	4,348	159	.....
24	1,077	.....	1,763	10,975	556	160
25	38	.....	1	50	.....	.....
26	80	.....	.....	.....	.....	.....
27	191	.....	6	180	.....	.....
35	240	35	108	1,565	769	83
Totals ..	41,635	1,893	2,792	36,975	1,996	1,282

Water District	Sweet Clover	Summer Plow	Number of Acres			Total Irrigated
			Spinach	Cauliflower	Other Crops	
20	22,756	4,454	312	264	2,856	362,393
21	2,239	1,439	.....	189	402	47,413
22	7,283	296	.....	155	761	97,850
24	425	20	.....	1,733	984	38,598
25	40	.....	.....	.....	386	118,448
26 .....	.....	.....	.....	.....	10	47,543
27	6	50	.....	.....	144	13,889
35	397	.....	168	868	316	23,491
Totals ..	33,146	6,259	480	3,209	5,859	749,625

WATER COMMISSIONER'S RESERVOIR REPORTS 1944

Name of Reservoir	District in Which Located	Capacity in Acre Feet	Amount in Storage	
			May 1, 1944 Acre Feet	Nov. 1, 1944 Acre Feet
Rio Grande	20	51,113	12,739	13,812
Santa Maria	20	43,565	6,406	9,199
Continental	20	26,716	8,225	17,738
Beaver Park (San Luis)	20	4,434	1,880	0
Archuleta	20	109	0	0
Spruce No. 1	20	51	0	0
Spruce No. 1	20	105	105	0
Fuchs	20	211	211	23
Troutvale No. 1	20	510	510	350
Troutvale No. 2	20	196	147	0
Squaw	20	158	140	0
Poage	20	185	.....	0
Road Canon	20	2,800	2,800	2,800
Shaw	20	492	234	0
Bristol Head No. 1	20	151	0	0
Bristol Head No. 2	20	804	36	0
Regan Lake	20	516	494	0
Lost Lakes	20	966	966	0
Trout Lake	20	198	198	0
Goose Lake	20	232	232	0
Spring Creek (Wrights)	20	145	0	0
Meadow Lake	20	115	115	100
Metroz	20	188	89	0
S U Dude	20	120	100	0
Hermit No. 1	20	360	74	0
Hermit No. 2	20	360	123	107
Ruby	20	120	120	120
Lake Cliff	20	20	20	20
Sowards	20	200	200	200
Bergeys	20	28	28	28
Humphreys	20	842	842	842
Sowards Lake	20	200	200	200
Wee Ruby	20	186	186	106
Lake Cliff	20	20	20	20
Hunters Lake	20	48	48	48
Terrace	21	17,700	5,206	2,862
La Jara	21	14,052	6,221	3,531
Cove Lake	22	9,710	2,000	0
Sanchez	24	103,155	16,530	8,885
Eastdale	24	3,468	1,525	0
Salazar	24	120	50	50
Mountain Home	35	19,150	2,744	514
Smith	35	5,336	4,598	1,841
Totals		309,155	76,362	63,194

NUMBER ACRE FEET DIVERTED FROM RESERVOIRS 1944

District No. 20	67,748	Acre Feet
District No. 21	16,373	Acre Feet
District No. 22	4,856	Acre Feet
District No. 24	44,979	Acre Feet
District No. 35	24,468	Acre Feet
Total	158,424	Acre Feet

VEGETABLE SHIPMENTS 1944

Potatoes	7,663	Carloads
Garden Peas	989	Carloads
Cauliflower	1,215	Carloads
Mixed Vegetables	833	Carloads
Lettuce	290	Carloads
Spinach	126	Carloads
Cabbage	381	Carloads
Carrots	12	Carloads
Broccoli	2	Carloads
Rutabagas	2	Carloads

ANNUAL REPORT—IRRIGATION DIVISION NO. 4
FOR THE YEAR 1943

Montrose, Colorado,
December 1, 1943.

Mr. M. C. Hinderlider
State Engineer
Denver, Colorado

Dear Sir:

Herewith I submit my annual report for 1943, supplementing my preliminary report of October 15.

Soil moisture on all watersheds was very low in the fall of 1942, due to the very light precipitation of the summer season.

The water content of the snow on various watersheds was variable in relation to the average. As shown by the snow survey of April 1, water content was 132 per cent of normal in the Taylor Park area; 106 per cent on the Tomichi watershed; normal on the Uncompahgre watershed, and far above normal on the North Fork of the Gunnison and East River watersheds. On the other hand, in the Grand Mesa district, where the heaviest reservoir storage in relation to area is made, the water content ranged from 96 per cent of normal on Trickle Divide down to 70 per cent at Mesa Lakes on the westerly end of the Mesa. In one observed area a snow depth of 30 inches at an elevation of about 7,500 feet above sea level on the north side of Grand Mesa melted between April 1 and April 14 without any increase in runoff. On April 14 Big Creek, on which several important reservoirs are located, was flowing less than 3 second feet, and it seemed at that time that necessary early irrigation would be impossible. Fortunately, later storms helped by improving ground conditions and careful management and cooperation between direct flow users and reservoir owners enabled them to secure a full storage on Big Creek and adjoining watersheds, 75% on the south side of Grand Mesa, and about the same on the Kannah Creek watershed. On the Mesa Creek watershed in District 42, the storage was only about 25 per cent of capacity. The Onion Valley Reservoir on the Crystal Creek watershed filled to about 80 per cent of capacity.

Natural flow was below normal on streams coming from low altitude watersheds in April, May, June and most of July. Precipitation in July was far below normal. In Montrose, for example, it was only 0.25 inches, compared with a long time mean of 0.90 inches. Things seemed to be shaping up for an extreme drouth, but in August heavy rains saved the situation. Montrose reported 3.42 inches, a probable record, as the mean for the month is only 1.37 inches. Comparative conditions pre-

ailed throughout the Division; the threat was averted, and very little drouth loss occurred.

Crop production was generally above normal. The native hay in the higher river valleys, while damaged in some cases by rain, and delayed in harvesting in others, was heavier than usual. It was well taken care of, notwithstanding labor shortages. The second cutting of alfalfa was severely damaged by rain in the lower valleys, probably as much as 60 per cent. Onion seed and grain crops suffered an estimated loss of 20 per cent. Due to a severe late frost, the fruit crop in the North Fork and Surface Creek areas of Delta County was badly damaged. Even the apple crop was estimated to be 60 per cent short. As usual, the frost effect was "spotted", some orchards having full crops of all fruit, others being entirely killed.

Range conditions were excellent and livestock production good.

Prices of produce were generally good. Peaches brought a record high of \$6.00 per bushel, dropping somewhat late in the season. Apples brought \$90.00 per ton, or even more in some cases. Good quality alfalfa hay sold at \$18.00 to \$20.00 per ton, native hay about \$10.00. Due to difficult transportation facilities and lack of storage room, potatoes were not bringing as much as expected. Present quotations are \$1.60 per hundred weight. Highest grade onions are bringing \$2.75 per hundred, with main crop selling at about \$2.50.

Fat cattle and sheep have sold well, but the uncertainty as to feed supplies and prices for fattening has affected feeder prices. This uncertainty may result in heavy liquidation of stock herds that may result in damage to the industry.

Mr. Jesse R. Thompson, Manager of the Uncompahgre Valley Water Users' Association, has very kindly provided a statement each year as to the operation of the Uncompahgre Valley Project. Following is a copy of the statement for 1943:

"Under the terms of the contract between the Bureau of Reclamation and the Uncompahgre Valley Water Users' Association approved August 4, 1941, the Operation and Maintenance of the Project was taken over by the Association on January 1, 1932.

"The project irrigation system includes 565 miles of irrigation canals and laterals and 204 miles of drainage canals.

"It requires 1,600 second feet of water entering the project during periods of peak demand.

"The snowfall on the Uncompahgre Water Shed was 17% below normal for period of record.

"There were no floods on the Uncompahgre river during the season, the peak discharge being 1,310 second feet, which occurred on June 26, 1943. Due to light spring run-off the Uncompahgre maintained an average run-off of 224 second feet or better up to July 27, 1943. It began raining on August 3 and rained

throughout the month, the precipitation for the month being 3.42 inches. Rains brought the river up to a discharge of 236 feet on August 4. From August 4 to September 6 the discharge ranged from 236 second feet minimum to 723 feet maximum.

"The Taylor Park Reservoir filled and water started over the spillway at 11:00 a. m. on June 7, 1943.

"Water was turned through the Gunnison tunnel on March 15, 1943 to meet project needs in canals and laterals that are supplied direct from the Gunnison tunnel and cannot be supplied from the Uncompahgre river. Water was needed to supplement the flow in the Uncompahgre river from April 3, to the end of the irrigation season.

"Water was turned out of the Taylor Park Reservoir to supplement the flow in the Gunnison river on March 27-28-29. This additional water was shut off on March 30, 1943. On September 10, 1943 water was again turned out to supplement the Gunnison flow. This additional flow was necessary the balance of the irrigation season. Peak discharge was on June 23 and 24 at which time 870 second feet were being discharged from the reservoir. On October 15, 1943 the supplemental discharge was shut off for the season. At this time there was 82,505 acre feet stored in the reservoir. Not including inflow; 24,395 acre feet was used out of the reservoir for irrigation needs the past season. The total capacity of Taylor Park Reservoir at spillway crest is 106,200 acre feet.

"Due to the limited capacity of the Gunnison tunnel it was not possible to divert enough water to meet project demands throughout the irrigation season. There was sufficient water to meet all demands up to May 19 at which time deliveries were cut to a 100% basis. On May 21 it was necessary to cut to a 90% basis. May 26 to June 8 on 110% basis, June 9 to July 7 no restrictions, July 8 to 17 on 100% basis, July 18 to 21 on 90% basis, July 22 to August 2 on 110% basis, August 3 to end of irrigation season, no restrictions.

"Water was delivered on demand to the Water Users' on an acre foot basis. The lands generally on the west side of the Uncompahgre river were furnished five acre feet for a minimum charge of \$1.65 per acre. Lands generally on the East side of the Uncompahgre river, which consists mostly of adobe soils, were furnished four acre feet for a minimum charge of \$1.32 per acre. Excess water was furnished at the rate of ten cents per acre foot for all water received in excess of five acre feet per acre.

"Major operation difficulties included:

"On May 28, 1943 about 6:00 a. m. the concrete lining in the South canal at Station A 4.41 failed. Water was shut out of the Gunnison tunnel and repairs started immediately. Repairs were made by working three shifts 8 hours each, work being carried on continuously until the job was completed on June 5,

1943. From May 29 to June 3 there was 1.44 inches of rainfall. Work of hauling men and materials was seriously handicapped due to many miles of heavy adobe roads which became a regular quagmire. 340 cubic yards of gravel and 85 cubic yards of concrete was used in making these repairs.

"No. 1 needle valve at Taylor Dam was dismantled, cleaned and repaired.

"No operating difficulties were experienced in connection with the Gunnison Tunnel. Water was shut out of the Gunnison tunnel May 28 to June 5 inclusive while repairs were being made to the concrete failure at Station A 4.41 on the South Canal. No other interruption to the flow of the tunnel occurred during the season.

"Crops in general were slightly above normal in production. About 60% of the second cutting of alfalfa hay and 10% of onion seed crops were ruined by excessive rainfall. Other damage due to rainfall was light.

"We again wish to express our appreciation for the way Mr. Fred Hotchkiss, Division Irrigation Engineer for this section of the State of Colorado, has cooperated with this organization and we commend him for the way he had administered the diversion of irrigation water in this section of the Western Slope.

UNCOMPAHGRE VALLEY WATER USERS' ASSOCIATION

Signed: Jesse R. Thompson,
Manager-Treasurer"

The Grand Valley Project in the Colorado River valley near Grand Junction is also located in this Division. It seems to have had a very good year without any serious problems.

Investigation for further development under the Bureau of Reclamation is continuing under the direction of Mr. C. H. Jex, Associate Engineer. The North Fork of the Gunnison area and the Surface Creek area in District 40, and the Meadows Reservoir and distribution canal in the Plateau Valley, District 42, are among those investigated.

The Cedar Mesa Reservoir dam rehabilitation and enlargement on Grand Mesa was not entirely completed this year. Shortage of labor and equipment made the work very difficult. Such work as was possible was done, and during the coming year will enable us to fill to a greater amount than heretofore, as well as to use the reservoir as a base. The Park Reservoir dam completed in 1942 filled to a height of 37.3 feet this year, or 2.3 feet above the old maximum. Careful inspection showed no defects in the new work. A slight leakage through the west abutment came at the time of maximum filling.

The Onion Valley dam, built several years ago under State inspection, appears in good condition.

Repairs on several small dams on Grand Mesa were made, but in all cases the work was difficult and best results were difficult to obtain because of lack of equipment.

New construction of one reservoir, Hallenbeck Reservoir No. 1, was nearly completed by one of the owners with his own equipment. August storms prevented entire completion, but it was carried up high enough to allow the use of a temporary spillway and allow filling without hazard.

Hydrographic work in the Division has been under the charge of Mr. Cavis B. Ham, Assistant Engineer with the Water Resources Branch of the U. S. Geological Survey, which maintains a sub-office here. At the beginning of the season, they had in operation 86 stations, of which 66 were in Division 4. Some of these had been installed in cooperation with the Bureau of Reclamation and the Colorado Water Conservation Board, and I installed one early in the season with help from the Water Users. This station had special value in administration, since the stream carried both direct flow and storage. Field work was done by the men of the Geological Survey with some help from Bureau of Reclamation hydrographers and such time as I could spare from administrative duties. By such cooperation, the hydrographic work of the Division has been kept up to a reasonable standard. I believe you will agree that continuous water records are of vital importance in any future planning and that we should expend every effort to keep them up.

I submit herewith tabulation of Water Commissioners' Ditch and Reservoir reports. In districts where no commissioner is employed a sufficient time to secure records, I have estimated the information if there was sufficient data for such an estimate.

Very truly yours,

FRED S. HOTCHKISS,

Irrigation Division Engineer, Irrigation Division No. 4.

IRRIGATION DIVISION NO. 4

TABULATED STATEMENT OF WATER COMMISSIONER'S ANNUAL
DITCH REPORTS, 1943

Dist. No.		Ditches Reported	Amt. of Appropriation Second Feet	Capacity of Canals or Ditches Second Feet	No. Acres can be Irrigated
28	.....	192	319	1,000	23,253
40	.....	472	2,934	4,102	210,616
41	.....	101	590	488	105,119
42	.....	269	4,030	3,697	159,138
59*	.....	99	680	2,109	24,031
60	.....	212	1,219	1,252	90,960
61	.....	10	68	81	11,440
62*	.....	75	313	799	18,905
68	.....	135	649	654	24,047
Totals	.....	1,565	10,802	14,182	673,509

Dist. No.	First Day Water Was Used	Last Day Water Was Used	Average No. of Days Water Was Used	Average Daily Amt. in Sec. Ft.	No. Acre Feet Used
28	..... May 1	..... Aug. 1	..... 86	..... 674	..... 116,476
40	..... Jan. 1	..... Oct. 31	..... 134	..... 1,335	..... 357,303
41	..... Mar. 12	..... Oct. 31	..... 215	..... 1,405	..... 610,777
42	..... Mar. 1	..... Oct. 31	..... 173	..... 1,145	..... 396,333
59*	..... May 1	..... Oct. 10	..... 83	..... 1,538	..... 255,461
60	..... Apr. 1	..... Oct. 31	..... 124	..... 429	..... 106,198
61	..... Apr. 1	..... Oct. 31	..... 158	..... 19	..... 5,896
62*	..... Apr. 15	..... Oct. 31	..... 106	..... 515	..... 108,676
68	..... Apr. 3	..... Oct. 16	..... 101	..... 382	..... 77,486
Totals	.....	.....	.....	..... 7,442	..... 2,034,606

IRRIGATION DIVISION NO. 4

TABULATED STATEMENT OF WATER COMMISSIONER'S ANNUAL
CROP REPORTS, 1943

Dist. No.	Alfalfa	Natural Grasses	Cereals	Orchards
28	..... 93	..... 29,101	..... 31	.....
40	..... 50,669	..... 19,347	..... 19,585	..... 13,340
41	..... 19,688	..... 5,174	..... 22,993	..... 881
42	..... 26,645	..... 14,437	..... 16,350	..... 6,214
59*	..... 119	..... 21,058	..... 5	.....
60	..... 14,776	..... 13,134	..... 14,269	.....
61	..... 720	..... 575	..... 716	..... 33
62*	..... 1,430	..... 7,836	..... 1,699	..... 30
68	..... 5,050	..... 14,779	..... 2,035	..... 6
Totals	..... 119,190	..... 125,441	..... 77,683	..... 20,504

Dist. No.	Market Gardens	Potatoes	Sugar Beets	Other Crops	Total Irrigated
28	..... 1	..... 27	.....	.....	..... 29,253
40	..... 1,653	..... 2,287	..... 4,462	..... 27,545	..... 138,888
41	..... 2,627	..... 2,712	..... 1,508	..... 20,970	..... 76,553
42	..... 697	..... 1,245	..... 688	..... 46,236	..... 112,512
59*	.....	..... 68	.....	..... 118	..... 21,368
60	..... 23	..... 9	.....	..... 256	..... 42,467
61	.....	..... 5	.....	..... 508	..... 2,557
62*	..... 30	..... 1,047	.....	..... 2,557	..... 14,629
68	..... 10	..... 183	..... 59	..... 23	..... 22,145
Totals	..... 5,041	..... 7,583	..... 6,717	..... 98,213	..... 460,372

*No Flow Record—estimated by Division Engineer.

IRRIGATION DIVISION NO. 4

TABULATED STATEMENT OF WATER COMMISSIONER'S ANNUAL
RESERVOIR REPORTS, 1943

Dist No.	No. in Dist.	Area of High Water Line, Acres	Capacity in Acre Ft.	Quantity of Water in Reservoir May 1	Quantity of Water in Reservoir Nov. 1
40	152	3,959	50,828	38,459	6,040
42	71	2,032	15,780	.....	.....
59	1	2,033	106,200	68,570	80,860
60	2	392	4,861	4,800	.....
Totals	226	8,416	177,669	111,829	86,900

Dist No.	First Day Water Was Used	Last Day Water Was Used	Average No. Days Water Was Used	Average Daily Amt. in Sec. Ft.	No. Acre Feet Carried
40	May 1	Oct. 31	46	377	34,845
42	May 4	Oct. 18	50	108	10,998
59	Mar. 27	Oct. 15	38	321	24,395
60	July 1	Oct. 1	76	32	4,861
Totals				838	75,099

Note: Above tabulation does not include storage of reservoirs used for purposes other than irrigation.

ANNUAL REPORT—IRRIGATION DIVISION NO. 4
FOR THE YEAR 1944

December 1, 1944

Mr. M. C. Hinderlider
State Engineer
Denver, Colorado

Dear Sir:

Herewith I submit my annual report for 1944, supplementing my preliminary report of October 28, 1944.

Snowfall during the early part of the winter of 1943-44 was rather light. In the late winter and spring, however, the fall was far above normal. As a result, the snow cover on May 1, as reported by the Division of Irrigation of the Soil Conservation Service was the greatest of record for the eight year period during which the surveys have been made in some areas, and above the average in water content on all the stations in Irrigation Division No. 4. On the Trickle Divide Station, Grand Mesa, at an altitude of 10,000 feet there was a snow depth of 118 inches, with a water content of 43 inches, of which 10 inches of water content came after the first of April.

The spring was cold and late. No extreme high water was recorded, except that at Delta on the Gunnison some damage occurred due to the melting of snow at comparatively low altitude.

All reservoirs in the division filled to capacity. Through June and July streams held up remarkably well. For example, the Uncompahgre River near Colona, for which there are continuous records since 1895, except for portions of 5 years, gave a runoff of 55,666 acre feet, the largest of record except for the year of 1921, which was 55,843 acre feet.

Summer rainfall was very low. July precipitation in Montrose was 0.77 inches, against an average of 0.90, and August showed 0.59 against an average of 1.37. Probably as a result of this the streams fell rapidly in late July and continued to fall in August. An unusually heavy release of stored water was necessary. While release of stored water from Taylor Park Reservoir did not begin until July 29, the total release from that source to supplement the flow of the Gunnison and Uncompahgre Rivers for the Uncompahgre Valley Project was 62,340 acre feet.

Following is a copy of a very comprehensive statement relative to the operation of the Project system, which Project Manager, Mr. Jesse R. Thompson has prepared for me:

“Uncompahgre Project, Colorado—Season 1944

“Under the terms of the contract between the Bureau of Reclamation and the Uncompahgre Valley Water Users' Association approved August 4, 1931, the operation and maintenance of the project was taken over by the Association on January 1, 1932.

“The project irrigation system includes 575 miles of irrigation canals and 204 miles of drainage canals.

“It requires 1,600 second feet of water entering the Project during periods of peak demand.

“The water content of the snowfall on the Uncompahgre watershed on March 1, 1944 was 78.6% of the normal content for March 1, for the period of record. On April 1, 1944 the water content was 96.6% of the normal content for April 1, for the period of record.

“The peak discharge of the Uncompahgre River during the season was 2,660 second feet and occurred on May 14, 1944. The minimum run-off up to July 26, 1944 was 655 second feet. By July 31, the flow had dropped to 425 second feet. The discharge of both the Gunnison and Uncompahgre rivers dropped rapidly after the later part of July.

“The Taylor Park Reservoir filled and water started over the spillway at 8:00 o'clock a. m. on May 28, 1944.

“Water was turned through the Gunnison Tunnel on March 7, 1944 to meet project needs in canals and laterals supplied direct from the Gunnison Tunnel but cannot be supplied from the Uncompahgre river. Water was needed to supplement the flow in the Uncompahgre river from May 18 to June 19, and from July 6 to the end of the irrigation season.

“Water was turned out of the Taylor Park Reservoir to supplement the flow in the Gunnison river on July 29, 1944. Peak discharge through the needle valves was 945 second feet and occurred on September 11 and 12. On October 3, 1944 the supplemental flow from the reservoir was shut off for the season. At this time there was 44,410 acre feet of stored water in the reservoir. Not including inflow, 62,340 acre feet was used out of the reservoir for irrigation needs the past season. The total capacity of the reservoir at spillway crest is 106,200 acre feet. Elevation on July 29, 1944 when needle valves were opened was 9,330.25 ft. or .25 ft. above spillway crest.

“Due to the limited capacity of the Gunnison Tunnel it was not possible to divert enough water to meet the project demands throughout the irrigation season. There was sufficient water available to meet all demand up to July 29, 1944. However, due to the heavy demand and lack of capacity, it was necessary to cut deliveries on some of the canals and laterals between May 23 and July 23, 1944, to percentages ranging from 150% to 100% according to capacity and demand. Due to rains it was possible to make all deliveries on demand July 24 to July 28.

On July 29, deliveries were again cut and by August 2, 1944 all deliveries were cut to 100%, August 4 to 85%, August 7 to 80%; from August 8 to September 18 deliveries ranged from 80% to 100%; September 19 to end of irrigation season deliveries were made on demand.

"Water was delivered on demand to the water users on an acre foot basis. The lands generally on the west side of the Uncompahgre river were furnished five acre feet for a minimum charge of \$1.98 per acre. Lands generally on the east side of the Uncompahgre river, which consists mostly of adobe soils, were furnished 4 acre feet for a minimum charge of \$1.584 per acre. Excess water was furnished at the rate of 12c per acre foot for all water received in excess of 5 acre feet per acre.

"No major operation difficulties were experienced during the season of 1944.

"No. 1 needle valve at Taylor Dam was dismantled, cleaned and repaired.

"No operation difficulties were experienced in connection with the Gunnison Tunnel. Water was out of the Gunnison Tunnel March 15 and 17 to thaw ice away from the face of the East Portal gates and again on June 26, to inspect the tunnel and South Canal linings, no other interruption to the flow of the Gunnison Tunnel occurred during the season.

"Crop production in general was above normal. There was a loss of about 20% in onions due to mildew. Potatoes were about average.

"We are pleased with the way Mr. Fred Hotchkiss, Division Irrigation Engineer for the State of Colorado, has handled the distribution of water in this part of the Western Slope and wish to commend him for the impartial way he has handled this work.

UNCOMPAHGRE VALLEY WATER USERS' ASSOCIATION

By: Jesse R. Thompson,

Manager and Treasurer."

At the end of the irrigation period the various reservoirs on Grand Mesa in Water Districts had only about 3,300 acre feet holdover, while the Fruitgrowers' Reservoir in the lower valley on Surface Creek had 870 acre feet. Considerable of the Grand Mesa storage was held back for winter municipal use.

Crop yields were generally good. A light frost on September 16 did some damage to bean and vegetable crops. Hay yields were good in both the high mountain valleys and the lower areas. There was no damage from rain, and the labor shortage, while a source of delay and inconvenience, did not prevent the saving of the whole crop. Prices were unusually high, alfalfa selling at \$18.00 to \$20.00 per ton in the Uncompahgre Valley, and wild hay bringing corresponding prices.

Yields of fruit were heavy in all orchard areas, and prices good. Apples are reported to have sold at \$90.00 per ton. Peaches did not sell as high as last year, but were good, probably \$2.50 per bushel basket. Sweet cherries were sold at 20 cents per pound.

New headgates and measuring flumes were installed in large number of ditches. In practically all cases metal Parshall flumes are being used. There is a growing realization that permanent structures of this sort are more desirable and cheaper in the long run than the wood flumes formerly put in. Sectional metal flumes are more easily installed, and may be releveled after settlement without warping out of shape, and being built carefully to measurements are generally more accurate. Large size flumes are still built of lumber or concrete.

Rehabilitation and enlargement was completed on 4 small reservoirs on Grand Mesa in Water Districts 40 and 42. This will add about 1,500 acre feet of storage capacity to that had formerly. While not a large amount this will probably constitute supplemental storage for 3,000 acres of land which had fair direct flow rights.

Investigations are in progress by the Bureau of Reclamation on the watersheds of the Gunnison, San Miguel, and Dolores Rivers and several projects are contemplated, notably the Spring Creek Reservoir with an enlargement of the Fire Mountain Canal on the North Fork of the Gunnison in District 40, and the Vega Reservoir on the Plateau Creek watershed in District 42.

Hydrographic work was done jointly by this office and the Water Resources Branch of the Geological Survey under the cooperative agreement in force for several years. The survey sub-office has been located in Montrose for several years, and has lately been under the capable charge of Cavis B. Ham and F. W. Paddock of that organization. I believe the work has been conducted satisfactorily to both departments. Credit is due to J. B. Tobin, Hydrographer for the Uncompahgre Valley Water Users' Association, for the assistance he has given in keeping up the hydrographic work on several stations within the area near Montrose, and which by nature of the shifting character of the controls required more frequent ratings than either the survey men or I could have made. Since there are sixty stations operating in this division, besides nearly 20 elsewhere that have to be rated by the present force it has been essential that all possible work be done to keep up the records.

Herewith I enclose a tabulation of water commissioner's annual ditch and reservoir reports.

Yours very truly,

FRED S. HOTCHKISS,

Irrigation Division Engineer, Irrigation Division No. 4.

IRRIGATION DIVISION NO. 4

TABULATED STATEMENT OF WATER COMMISSIONER'S ANNUAL
DITCH REPORTS, 1944

Dist. No.	Ditches Reported	Amt. of Appropriation	Second Feet Capacity of Canals or Ditches	Second Feet No. Acres Can Be Irrigated
28	192	319	1,000	29,253
40	476	3,093	4,292	227,670
41	100	1,848	2,830	109,421
42	293	3,318	4,797	157,952
59n	99	680	2,109	24,031
60	212	1,219	1,252	90,960
61	8	86	74	11,800
62n	75	313	799	18,905
68	155	681	661	25,564
Totals	1,565	10,802	14,182	673,509

Dist. No.	First Day Water Was Used	Last Day Water Was Used	Average No. of Days Water Was Used	Average Daily Amount in Second Feet	No. Acre Feet Used
28	May 1	Aug. 1	86	674	116,476
40	Apr. 1	Nov. 4	121	1,743	422,344
41	Mar. 22	Nov. 18	206	1,755	723,732
42	Mar. 2	Nov. 5	265	891	471,715
59n	May 1	Oct. 10	83	1,538	255,461
60	Apr. 1	Oct. 31	124	429	106,198
61	Apr. 2	Oct. 9	172	32	10,847
62n	Apr. 15	Oct. 31	106	515	108,676
68	May 12	Nov. 5	84	427	71,562
Totals				8,004	2,287,001

IRRIGATION DIVISION NO. 4

TABULATED STATEMENT OF WATER COMMISSIONER'S ANNUAL
CROP REPORTS, 1944

Dist. No.	Alfalfa	Natural Grasses	Cereals	Orchards
28	93	29,101	31	.....
40	52,718	27,305	20,614	13,394
41	18,478	4,913	22,175	1,052
42	26,211	14,383	15,351	5,197
59n	119	21,058	5	.....
60	14,776	13,134	14,269	.....
61	856	751	942	23
62n	1,430	7,836	1,699	30
68	6,342	15,101	1,415	25
Totals	121,023	133,582	76,501	19,721

Dist. No.	Market Gardens	Potatoes	Sugar Beets	Other Crops	Total Irrigated
28	1	27	.....	.....	29,253
40	787	2,306	4,449	28,653	150,226
41	845	2,869	1,622	25,198	77,152
42	630	1,034	954	42,992	106,752
59n	.....	68	.....	118	21,368
60	23	9	.....	256	42,467
61	.....	.....	.....	393	2,965
62n	30	1,047	.....	2,557	14,629
68	2	101	55	77	23,118
Totals	2,318	7,461	7,080	100,244	467,930

n—No Flow Record—estimated by Division Engineer.

IRRIGATION DIVISION NO. 4

TABULATED STATEMENT OF WATER COMMISSIONER'S ANNUAL
RESERVOIR REPORT, 1944

Dist. No.	No. in Dist.	Area of High Water Line, Acres	Capacity in Acre Feet	Quantity of Water in Reservoir May 1	Quantity of Water in Reservoir Nov. 1
40	153	3,681	48,057	39,653	4,192
42	74	1,988	17,760	14,191	.....
59	1	2,033	106,200	68,300	47,770
60	2	392	4,861	1,200	660
Totals	230	5,094	176,878	123,344	52,622

Dist. No.	First Day Water Was Used	Last Day Water Was Used	Average No. Days Water Was Used	Average Daily Amt. in Sec. Ft.	No. Acre Ft. Carried
40	Apr. 6	Oct. 28	48	355.00	33,964
42	June 23	Oct. 24	57	125.00	14,191
59	July 29	Oct. 3	66	472.00	62,340
60	June 20	Oct. 6	50	42.00	4,200
Totals				994.00	114,695

Note: Above tabulation does not include storage of reservoirs used for purposes other than irrigation.

ANNUAL REPORT—IRRIGATION DIVISION NO. 5 FOR THE YEAR 1943

Glenwood Springs, Colorado

November 30, 1943

Mr. M. C. Hinderlider
State Engineer
Denver, Colorado

Dear Sir:

In compliance with the provisions of the law, I transmit herewith my annual report as Division Engineer for Irrigation Division No. 5 for the year ending November 30, 1943.

During the past year there have been very few administrative problems.

There have been some construction, consisting of the installation of several steel headgates, four concrete diversion dams, and five Parshall Flumes.

The Green Mountain Reservoir on the Blue River stored water this season for the first time. Storage started on November 16, 1942 and reached its present capacity of 117,300 acre feet on June 28, 1943. After the Radial Gates are installed this winter, the total capacity will be increased to 152,000 acre feet of which 100,000 acre feet will be for power and 52,000 acre feet for irrigation. The power plant in connection with this reservoir is immediately down-stream from the dam forming the reservoir. The plant contains two 13,000 kilovolt-ampere generating units of the vertical hydraulic-turbine driven type with direct connected generator with main and pilot exciters. These turbines develop 12,000 H.P. each. The intake structure is located immediately up-stream from the dam and twin steel penstocks installed in a concrete tunnel conduct the water to the power plant.

Administration Costs

Cost of administration of Division No. 5 for the year of 1943 was \$8,278.50. This includes salaries of all commissioners and their deputies. 141,050 acres were irrigated at a cost of .058 cents per acre for services of water commissioners and their deputies.

Dist. No.	Acres Irrigated	Commissioners' Fees	Deputies' Fees	Total
37	26,557	\$1,032.00	.....	\$1,032.00
38	34,756	1,216.00	\$ 339.50	1,555.50
39	20,695	1,625.00	.....	1,625.00
45	24,335	818.00	1,563.00	2,381.00
50	9,100	100.00	.....	100.00
52	3,583	48.00	.....	48.00
53	14,273	346.00	.....	346.00
70	7,751	1,191.00	.....	1,191.00
Totals	141,050	\$6,376.00	\$1,902.50	\$8,278.50

Climatological Data

The following table gives the temperature and precipitation as recorded at Rifle: Elevation 5,355; and at Glenwood Springs: Elevation 5,823.

RIFLE						
	May	June	July	Aug.	Sept.	
Maximum Temp.	89	94	100	96	89	
Minimum Temp.	26	31	40	37	30	
Precipitation						Total
1943	1.78	1.50	0.39	2.53	0.53	6.73
1942	0.35	0.20	1.27	0.43	0.57	2.82
1941	0.82	1.26	0.43	1.04	1.58	5.13
1940	0.40	0.23	0.86	1.69	2.06	5.24
1939	0.15	0.40	0.51	0.22	2.02	3.30

GLENWOOD SPRINGS						
	May	June	July	Aug.	Sept.	
Maximum Temp.	90	94	101	97	91	
Minimum Temp.	29	32	45	38	37	
Precipitation						
1943	3.02	2.86	2.09	4.36	1.74	14.07
1942	0.74	0.38	2.20	0.79	0.52	4.63
1941	1.62	1.50	1.49	.99	2.42	8.02
1940	0.62	0.45	1.21	1.49	2.50	6.27
1939	0.95	1.50	1.84	0.63	2.43	7.35

In the month of May streams were very low, and there was not enough water to fill many ditches. It rained from May 4th to 8th inclusive and was followed by a hard frost on May 9th. This rain was very helpful to crops, but did not increase the stream flow. Then from June 7th to 14th inclusive there were good rains throughout the division. These rains raised streams sufficiently to fill ditches to capacity for sometime before seasonal cuts began.

Snow Report

The following table is the average snow depth and water content of 21 snow courses on the Colorado River Drainage Basin within Irrigation Division No. 5 for the years 1939, 1940, 1941, 1942, and 1943 for the first of February, March, April, and May; also the average for the past eight years.

AVERAGE SNOW DEPTH						
	Eight Year Average	1939	1940	1941	1942	1943
Feb.	35.0	41.5	26.6	28.0	32.6	40.3
Mar.	42.1	48.1	32.2	35.1	41.9	45.6
Apr.	45.0	45.8	32.8	38.7	46.6	45.9
May	32.7	25.9	24.2	37.3	45.3	19.0

AVERAGE WATER CONTENT						
	Eight Year Average	1939	1940	1941	1942	1943
Feb.	8.1	10.1	5.8	5.5	6.9	9.6
Mar.	11.0	12.8	9.1	8.3	10.0	12.1
Apr.	13.8	14.0	10.9	11.4	13.2	14.8
May	11.6	10.3	7.8	13.5	13.5	7.4

Range and Livestock Conditions

Range conditions this year were normal. Many heavy shipments were made this fall of both sheep and cattle, much of this was shipped to Kansas City due to ranchers having to route through Pueblo for about two months as tunnel No. 10 on the Moffat railroad was being repaired after a disastrous fire and cavein. Ranchers found that shrinkage on cattle being shipped via Pueblo to Denver was 6 to 7 per cent as in comparison to previous shipments on the Moffat road of 3 per cent shrinkage, therefore many cattle were shipped on to Kansas City as the additional shrinkage from Pueblo to Kansas City was not much more than that of Pueblo to Denver.

A good many sheep were trucked to Denver while others were shipped by the Moffat railroad to a point west of tunnel No. 10 then transferred to trucks and thence to the Denver Market.

Crops

A frost on May 9th destroyed about 2/3 of the fruit crop in this area. Many people had to replant victory gardens but received good returns for their efforts. Field crops with the exception of alfalfa were not advanced enough to be injured by this frost.

Potatoes

Potato acreage in 1942 was 5,278 whereas in 1943 it was 5,731 an increase of 453 acres. Yield per acre was about 20% above the normal with excellent quality.

Sugar Beets

Sugar beet acreage in 1942 was 1,876 whereas in 1943 it was 1,240 a decrease of 636 acres. Yield per acre was about 15% above the normal with a high sugar content.

Cereals

There was a small increase in cereal acreage and yield per acre was about 15% above normal.

Alfalfa

There was a small decrease in acreage. The frost of May 9th damaged the first cutting. Many acres of alfalfa were not put up this year because of shortage in farm labor.

Head Lettuce and Spinach

There was a small increase in acreage of these two products, the quality was excellent, prices were high and probably the largest shipments ever made were sent out this year.

Trans-Mountain Diversion

Following is a report of the Trans-Mountain Diversions from Division No. 5 to Division No. 1 and No. 2 for the irrigation season :

To Division No. 1

Eureka	134	Acre Feet
Grand River	17,525	Acre Feet
Berthoud	554	Acre Feet
Jones Pass	4,023	Acre Feet
Moffat Tunnel	32,669	Acre Feet
East Hoosier	0	Acre Feet
West Hoosier	0	Acre Feet
Boreas Pass	0	Acre Feet
Total	54,905	Acre Feet

To Division No. 2

Twin Lakes Tunnel	48,116	Acre Feet
Busk Ivanhoe Tunnel	4,930	Acre Feet
Ewing Ditch	0	Acre Feet
Wurtz Ditch	2,548	Acre Feet
Columbine Ditch	1,165	Acre Feet
Fremont Pass Ditch	364	Acre Feet
Total	57,123	Acre Feet

Grand Total112,028 Acre Feet

Yours very truly,

L. C. FINLEY,
Division Engineer.

TABULATED STATEMENT OF WATER COMMISSIONER'S ANNUAL
DITCH REPORT FOR IRRIGATION SEASON OF 1943
IRRIGATION DIVISION NO. 5

District No.	No. of Ditches Reported	First Day Water Was Used	Last Day Water Was Used	Average No. of Days Water Was Carried	Average Daily Amt. Diverted in Sec. Ft.	No. of Acre Feet Used from Stream
36.....	.....	.....	.....	.....	.....	.....
37.....	216	May 15	Nov. 1	170	840	270,505
38.....	111	Apr. 1	Oct. 15	209	1,003	262,257
39.....	126	Mar. 15	Nov. 1	230	347	125,853
45.....	99	Apr. 10	Nov. 1	205	344	75,776
50.....	.....	.....	.....	.....	.....	.....
51.....	.....	.....	.....	.....	.....	.....
52.....	.....	.....	.....	.....	.....	.....
53.....	74	Apr. 15	Nov. 1	200	247	66,671
70.....	60	Apr. 1	Nov. 1	215	86	24,096
Totals.....	686	Mar. 15	Nov. 1	204	2,869	824,158

District No.	No. of Acres That Can Be Irrigated	Alfalfa	Natural Grasses	Cereals	Orchards	Market Gardens
36	11,500	.....	.....	.....	...	...
37	28,925	12,033	9,108	3,499	...	137
38	34,756	18,923	8,105	4,666	...	40
39	26,097	11,464	3,116	3,359	445	274
45	.....	13,853	5,541	3,976	502	8
50	21,400	.....	.....	.....	...	...
51	41,100	.....	.....	.....	...	...
52	7,171	.....	.....	.....	...	...
53	19,512	3,790	9,425	565	3	10
70	17,625	5,142	962	1,441	5	9
Totals	208,086	65,205	36,257	17,506	955	478

District No.	Potatoes	Sugar Beets	Beans	Peas	Lettuce	Other Crops	Total Irrigated
36	.....	.....	.....	.....	.....	.....	8,400
37	1,445	.....	.....	334	.....	.....	26,557
38	3,007	.....	.....	.....	.....	15	34,756
39	961	1,076	.....	.....	.....	.....	20,695
45	146	164	10	.....	.....	135	24,335
50	.....	.....	.....	.....	.....	.....	9,100
51	.....	.....	.....	.....	.....	.....	22,180
52	.....	.....	.....	.....	.....	.....	3,583
53	160	.....	.....	.....	40	280	14,273
70	12	.....	37	.....	.....	143	7,751
Totals	5,731	1,240	47	334	40	573	171,629

ANNUAL REPORT—IRRIGATION DIVISION NO. 5
FOR THE YEAR 1944

Glenwood Springs, Colorado

November 30, 1944

Mr. M. C. Hinderlider
State Engineer
Denver, Colorado

Dear Sir:

In compliance with the provisions of law, I transmit herewith my annual report as Division Engineer for Irrigation Division No. 5 for the year ending November 30, 1944.

Administrative problems were more numerous than in previous years because of the lack of rainfall, the low stage of streams in the later part of the summer and the continued use of water for irrigation until a much later date than usual. The operation of the Power Plants at Green Mountain Reservoir and at Shoshone also complicated the administration of the Colorado River in that both plants operated by the Public Service Company were run on an off and on schedule so that at certain times of the day the Green Mountain Plant would be carrying the load; then Shoshone would take up the load. This change of load would cause a considerable wave in the river which we endeavored to straighten out before it reached the irrigation ditches near Palisade. This was done by adjusting the storing and releasing of water and changing of power loads from day to day at the two plants. With this year's experience we should be able to do a better job in the future.

The moisture condition of the soil at planting time was very good and there was much precipitation in May but from June 1st to November 1st the precipitation was practically zero. However, crop yields were above the average due to the excellent planting season and early rains which enabled the crops to withstand the following dry season. The largest fruit crops ever produced in the valley were harvested this season. Small grain yields have been above normal, also alfalfa and potatoes.

Administration Costs

Cost of administration of Division No. 5 for the year of 1944 was \$7,798.00. This includes salaries of all commissioners and their deputies. 137,597 acres were irrigated at a cost of .056 cents per acre for services of water commissioners and their deputies.

Dist. No.	Acres Irrigated	Commissioners' Fees	Deputies' Fees	Total
37	26,617	\$1,134.00	.....	\$1,134.00
38	37,691	854.00	\$ 269.50	1,123.50
39	20,761	1,645.00	.....	1,645.00
45	22,115	527.00	1,457.50	1,984.50
50	9,100	357.00	.....	357.00
53	13,145	308.00	.....	308.00
70	8,168	1,246.00	.....	1,246.00
Totals	137,597	\$6,071.00	\$1,727.00	\$7,798.00

Climatological Data

The following table gives the temperatures and precipitations as recorded at Rifle: Elevation 5,355; and at Glenwood Springs: Elevation 5,823.

RIFLE						
	May	June	July	Aug.	Sept.	
Maximum Temp.	87	93	95	96	93	
Minimum Temp.	25	35	39	33	27	
Precipitation						Total
1944	0.30	0.66	0.99	0.29	0.07	2.31
1943	1.78	1.50	0.39	2.53	0.53	6.73
1942	0.35	0.20	1.27	0.43	0.57	2.82
1941	0.82	1.26	0.43	1.04	1.58	5.13
1940	0.40	0.23	0.86	1.69	2.06	5.24

GLENWOOD SPRINGS						
	May	June	July	Aug.	Sept.	
Maximum Temp.	84	95	97	98	93	
Minimum Temp.	25	38	45	39	33	
Precipitation						
1944	2.29	1.61	1.14	0.56	0.07	5.67
1943	3.02	2.86	2.09	4.36	1.74	14.07
1942	0.74	0.38	2.20	0.79	0.52	4.63
1941	1.62	1.50	1.49	0.99	2.42	8.02
1940	0.62	0.45	1.21	1.49	2.50	6.27

Snow Report

The following table is the average snow depth and water content of 21 snow courses on the Colorado River Drainage Basin within Irrigation Division No. 5 for the years 1940, 1941, 1942, 1943 and 1944 for the first of February, March, April, and May, also the average for the past nine years.

AVERAGE SNOW DEPTH IN INCHES						
	Nine Year Average	1940	1941	1942	1943	1944
Feb.	32.8	26.6	28.0	32.6	39.8	24.6
Mar.	39.8	32.2	35.1	41.9	44.9	28.3
Apr.	44.1	32.8	38.7	46.6	45.1	40.8
May	32.7	24.2	37.3	45.3	18.0	40.5

AVERAGE WATER CONTENT IN INCHES						
	Nine Year Average	1940	1941	1942	1943	1944
Feb.	7.4	5.8	5.5	6.9	9.5	4.6
Mar.	10.2	9.1	8.3	10.0	12.0	6.8
Apr.	13.1	10.9	11.4	13.2	14.5	10.6
May	11.3	7.8	13.5	13.5	7.0	12.6

Trans-Mountain Diversion

Following is a report of the Trans-Mountain Diversions from Division No. 5 to Division No. 1 and No. 2 for the irrigation season :

To Division No. 1

Eureka	95	Acre Feet
Grand River	16,629	Acre Feet
Berthoud	430	Acre Feet
Jones Pass	3,941	Acre Feet
Moffat Tunnel	16,196	Acre Feet
East Hoosier	0	Acre Feet
West Hoosier	0	Acre Feet
Boreas Pass	0	Acre Feet

Total37,291 Acre Feet

To Division No. 2

Twin Lakes Tunnel.....	36,326	Acre Feet
Busk Ivanhoe Tunnel	2,063	Acre Feet
Ewing Ditch	0	Acre Feet
Wurtz Ditch	1,819	Acre Feet
Columbine Ditch	135	Acre Feet
Fremont Pass Ditch	0	Acre Feet

Total40,343 Acre Feet

Grand Total77,634 Acre Feet

Yours very truly,

L. C. FINLEY,
Division Engineer.

TABULATED STATEMENT OF WATER COMMISSIONERS' ANNUAL REPORT FOR IRRIGATION SEASON OF 1944, IRRIGATION DIVISION NO. 5

District No.	No. of Ditches Reported	First Day Water Was Used	Last Day Water Was Used	Average No. of Days Water Was Used	Average Daily Amt. Diverted in Sec. Ft.	No. of Acre Feet Used from Stream
36.....	216	May 15	Nov. 1	170	873	246,320
37.....	130	May 1	Oct. 1	153	1,090	262,008
38.....	127	Mar. 2	Oct. 31	243	409	135,410
39.....	91	May 1	Dec. 10	225	372	41,974
45.....						
50.....						
51.....						
52.....						
53.....	60	Apr. 25	Oct. 30	203	226	68,201
70.....	62	Apr. 1	Oct. 26	208	160	43,131
Totals.....	686	Apr. 1	Nov. 1	200	3,130	797,044

District No.	No. of Acres That Can Be Irrigated	Alfalfa	Natural Grasses	Cereals	Orchards	Market Gardens
36	11,500	.....	.....	.....	.....	.....
37	23,078	12,115	9,059	3,653	.....	61
38	37,691	22,151	6,090	6,165	.....	20
39	26,134	10,852	3,225	3,780	456	279
45	10,600	13,386	4,144	3,828	574	54
50	21,400	.....	.....	.....	.....	.....
51	41,100	.....	.....	.....	.....	.....
52	7,171	.....	.....	.....	.....	.....
53	18,687	3,025	9,280	530	.....	.....
70	16,955	4,563	1,375	2,056	32	13
Totals	219,316	66,092	33,173	20,012	1,062	427

District No.	Potatoes	Sugar Beets	Beans	Peas	Lettuce	Other Crops	Total Irrigated
36	.....	.....	.....	.....	.....	.....	8,400
37	1,520	.....	.....	199	.....	10	26,617
38	3,365	.....	.....	.....	.....	.....	37,691
39	1,038	1,131	.....	.....	.....	.....	20,761
45	129	.....	.....	.....	.....	.....	22,115
50	.....	.....	.....	.....	.....	.....	9,100
51	.....	.....	.....	.....	.....	.....	22,180
52	.....	.....	.....	.....	.....	.....	3,583
53	20	.....	.....	.....	30	260	13,145
70	123	.....	6	.....	.....	.....	8,168
Totals	6,195	1,131	6	199	30	270	171,760

ANNUAL REPORT—IRRIGATION DIVISION NO. 6
FOR THE YEAR 1943

Steamboat Springs, Colorado
November 30, 1943

Mr. M. C. Hinderlider
State Engineer
Denver, Colorado

Dear Sir:

I herewith transmit my annual report for Irrigation Division No. 6 for the year ending November 30, 1943, which includes a tabulation of the Water Commissioner's annual ditch and reservoir reports.

The months of April and May were reversed as to temperatures and general weather conditions. This created at the start of the season, unfavorable prospects for a good crop year both as to water supply and crop production. Temperatures in April were considerably above normal, while the precipitation for April fell below normal. Heavy runoff started early and continued through balance of the month.

Temperatures in May were below normal with precipitation above normal. Continued cold and stormy weather throughout the month were beneficial in checking the heavy runoff which had started in April. The outlook for a good crop year along the latter part of May looked very discouraging, owing to the preceding unusual climatic conditions. As the season progressed other factors developed which were favorable to a good crop production and it overcame, to a great extent, the unfavorable start in the early part of the season. The final results the past season were about the average for total crop production. The quality of crops produced were above the average.

Crops throughout the Yampa Valley were ten to twenty percent above normal. Grain and potato acreages showed considerable increase and above normal production per acre. Spinach, lettuce and mixed vegetables grown in the Yampa Valley were above normal in production and quality. A total of 341 cars of lettuce, spinach and mixed vegetables were shipped from the Yampa area this season.

The Little Snake River Valley was not quite so fortunate. It had about 75% of the normal hay production, with about a normal production of grain and potatoes. The decrease in the production of hay is not entirely due to water supply. Weather conditions were not as favorable in that area as in other parts of the Division.

In other scattered areas throughout the Division, more particularly where irrigation water was short, the hay production will run from 50% to 75% of normal. This is quite an item when the present price of hay is taken into consideration. These scattered areas, however, comprise a small proportion of the total acreage in the Division.

Farm labor shortages were felt throughout the season, but with excellent harvesting weather prevailing, good progress was made with the harvesting of all crops.

Total diversions for direct irrigation as reported by the Water Commissioners, were 288,255 acre feet on 87,764 acres irrigated. Natural flow was sufficient generally for the season to meet most requirements. Headgate diversions average approximately 3.3 acre feet per acre irrigated.

The scanty information contained in the Water Commissioner's report on District No. 43 is inadequate to present even a fair estimate of the true conditions relative to the overall water supply and use of water for irrigation, in said district. This District has 616 appropriations to 381 ditches used for irrigation purposes, totaling 1,665 cubic feet per second. Also six reservoirs with total appropriations of 43,505,057 cubic feet. In the following tabulation it will be noted the Water Commissioner reports only on 38 ditches, and such ditches covering an area confined principally to Piceance and Coal Creeks.

Attached hereto are the tabulated statements of Water Commissioner's Ditch and Reservoir Reports.

Very truly yours,

B. T. CHASE,
Irrigation Division Engineer, Division No. 6.

TABULATION
WATER COMMISSIONER'S ANNUAL DITCH REPORT, 1943

District No.	No. of Ditches Reported	Amount of Appropriation, Cu. Ft. Per Sec.	Capacity of Canals	First Day Water Used from Natural Stream
43	38	280.91	288.60	4- 1
44	49	300.54	397.00	4-10
54	45	120.51	215.00	5- 1
55 and 56	No Water Commissioner			
57	55	301.94	459.55	4-15
58	268	892.55	1,532.55	4- 1
Total	455	1,896.45	2,892.70	4- 1

District No.	Last Day Water Used From Natural Stream	Av. No. of Days Water Carried from Natural Stream	Av. Daily Amt. of Water During Season (Cu. Ft. Per Sec.)	No. Acre Ft. Used by Canal
43	11-15	127	80.85	24,369
44	10-30	50	254.10	30,029
54	9- 1	71	135.25	18,202
57	9-29	50	230.60	45,671
58	11-15	87	931.84	169,984
Total	11-15	77	1,632.64	288,255

District No.	Total No. of Acres That Can Be Irrigated	Alfalfa	Natural Grasses	Cereals	Market Gardens
43	5,936	Crop acreage not reported			
44	19,711	8,558	3,507	741	..
54	9,130	1,160	5,380	380	..
57	16,273	745	11,697	39	..
58	62,939	662	39,267	1,810	23
Total	113,989	11,125	59,851	2,970	23

District No.	Potatoes	Pasture	Spinach	Lettuce	Berries
43	..	..	..	..	..
44	30	230	..	..	..
54	31	..	..	..	..
57	..	..	..	..	..
58	49	8,864	1,070	665	49
Total	110	9,094	1,070	665	49

Dist. No.	Total Irrigated
43	2,807
44	13,066
54	6,951
57	12,481
58	52,459
Total	87,764

Remarks

This report includes only approximately 10% of the ditches and acreage irrigated in District No. 43.

27 additional decreed ditches were visited and found not in use during 1943, except in some ditches a partial use by pumping. Approximately 12,000 acres are included under such ditches listed as not in use.

Nearly complete report of all used ditches. Nearly complete report of all used ditches 44 decreed ditches were reported not in use in District No. 58 during 1943.

TABULATION
WATER COMMISSIONER'S ANNUAL RESERVOIR REPORT, 1943

District No.	No. in District Reported	Area of High Water Line, Acres	Capacity in Cubic Feet	Quantity of Water in Reservoir May 1, Cu. Ft.
43	No. Water Commissioner's Report			
44	3	Not given	34,149,464	34,149,464
54	2	Not given	18,791,232	14,091,300
57	6	139	65,514,507	65,514,507
	12	221	93,437,285	61,191,730
	2	9	7,708,607	
58	10	382	404,597,325	230,675,659
	1	40	17,234,865	17,234,865
Total	36	791	641,433,285	422,857,525

District No.	Quantity of Water in Reservoir Nov. 1, Cu. Ft.	First Day Water Used	Last Day Water Used	Av. No. Days Water Carried	Est.
44	5,279,835	7- 1	10- 1	30	Est.
54	5,156,200	6-15	8-15	40	..
57	00 Irrigation	5- 8	9- 7	49	..
	00 Stock Water				
	00 Unfit for use				
58	176,755,240 Irrig.	6- 1	10-17	22	..
	00 Dom.	8-10	10- 1	..	50
Total	187,191,275	5- 8	10-17	35	50

District No.	Av. Daily Amt. of Water Carried in Cu. Ft.	No. of Acre Feet of Water Carried	Alfalfa	Natural Grasses	Cereals
44	11.00	663 Est.	206	..	..
54	3.00 Est.	206 Est.	..	..	..
57	12.92	1,039	..	650	..
58	33.46	1,771	23	2,040	175
	4.00	400	..	..	..
Total	64.38	4,079	231	2,690	175

District No.	Pasture	Spinach	Lettuce	Total Irrigated
44	50	..	..	256
54	..	..	..	..
57	..	..	..	650
58	..	400	250	2,890
Total	50	400	250	3,796

Dist. No.	Remarks
43	Reservoir water supplemental to, and
44	Acres reported under Riley Livestock
54	Ditch.

ANNUAL REPORT—IRRIGATION DIVISION NO. 6
FOR THE YEAR 1944

Steamboat Springs, Colorado
November 30, 1944

Mr. M. C. Hinderlider
State Engineer
Denver, Colorado

Dear Sir:

I herewith submit my annual report for Irrigation Division No. 6 for the year ending November 30, 1944, which includes a tabulation of the Water Commissioner's annual ditch and reservoir reports.

Water Supply

The water supply was adequate to fill all existing reservoirs by June 1st. The supply for direct irrigation held up very well considering the otherwise dry condition which prevailed during the summer. Early in July most all the small creeks were dry, or nearly so, and the storage was not adequate to offset such early shortages in the direct flow.

The Stillwater Reservoir No. 1 was an exception to this general condition. While the demand upon this reservoir was approximately three times greater than in previous years, there still remained in storage at the end of the season about one-third of the capacity. Over a period of 84 days, 2,259 acre feet were drawn off, as compared with less than 1,000 acre feet in previous years. The Stillwater Reservoir No. 1 furnished supplemental water this year to ten ditches in the district and its existence was particularly appreciated in regulating the flow of the Yampa River south of the town of Yampa. Had there not been a slide in the Stillwater ditch, another 1,000 acre feet would have been drawn from the reservoir.

Temperatures and Precipitation

The entire area suffered from excessive moisture and cold weather through the months of April and May. Heavy loss in livestock occurred during these months. The losses in sheep were extremely heavy. Temperatures moderated early in June and much delayed planting was accomplished, some prior to June 1st. From a period June 8th continuing through to September 30th, the total maximum precipitation at any one point was 1.8 inches. This is about one-fifth of the normal average precipitation over the same period during these months. Nights continued cold and the days were hot. This condition also retarded crop growth. Some frost damage occurred during June and also in August, which left the frost-free period around 66 days. The frosts on

August 26th and 27th were particularly damaging to the potatoes.

The rains which occurred during the period June 8th to September 30th, were not general throughout the area, but were scattered showers and no material benefit derived therefrom. During the months of August, September and October, all sections were dangerously dry and many brush fires resulted. However, crop losses as the result of such fires was very light. On the whole, the past season was entirely too dry for the maximum growth and maturity of most all crops.

Crop Notes

Major crops under irrigation continued approximately as in former years. Alfalfa, natural grasses and pasture comprised about 91% of the total acreage irrigated, small grains 5%, potatoes and vegetables 4%. It is estimated the average crop shortage this year, due to precipitation and temperature conditions, will be 25% under the normal. Hay is reported short 10% to 40%, grain about the same, vegetables (principally lettuce and spinach) 50%, and potatoes will average 25% or more short. In some sections potatoes run as low as 50%.

The railroad agent at Yampa reports that 226 cars of spinach, head lettuce and mixed vegetables were shipped from the Yampa and Toponas yards; and up to November 1st, twenty cars of baled hay has been shipped. About one-half the acreage planted to spinach and lettuce was an entire loss, due to the failure of the Stillwater ditch.

Improvements

Quite extensive improvements and repairs were made on a number of irrigation systems. Through the activities and assistance given by the AAA and Soil Conservation Service, repairs and improvements were made on several small dams, also cleaning, enlarging and repairs to several of the more important ditches. I am not in possession of complete information on some of these improvements.

The Stillwater Ditch in District No. 58, claim to have spent nearly \$6,000.00 on enlarging, repairing and cleaning said ditch. This ditch, however, failed shortly after water was turned in, and repairs could not be made in sufficient time to save several hundred acres of vegetable crop, which was an entire loss.

The Dresher Reservoir in District No. 44 claim the expenditure of around \$2,000.00 in the strengthening of the embankment, repairs to outlet, spillway, etc.

The Ram's Horn Reservoir in District No. 58, which has been in the process of construction over the past four years, was finally completed this fall. It will supply water to the Stillwater Ditch and has storage capacity of less than 100 acre feet.

Administration

No difficult administrative problems were encountered this year, the most annoying situation being that of the construction of so-called stock-watering tanks on small streams. These have been found, in several instances, to be interfering with previously adjudicated rights for irrigation as no means have been provided in some of them to pass water through.

Attached hereto are tabulated statements of Water Commissioner's ditch and reservoir reports.

Yours very truly,

B. T. CHASE,

Irrigation Division Engineer, Division No. 6.

TABULATION
WATER COMMISSIONER'S ANNUAL DITCH REPORTS, 1944

District No.	No. of Ditches Reported	Amt. of Appropriation, Cu. Ft. per Sec.	Capacity of Canal	First Day Water Used from Natural Stream
43	30	185.77	205.30	3- 1
44	76	476.82	591	4-10
54	44	98.95	.....	5-10
55 and 56—no reports				
57	58	301.28	419	4-24
58	265	992.39	1,520.30	4- 1
Total	473	2,055.21	2,735.60	3- 1

District No.	Last Day Water Used from Natural Stream	Av. No. Days Water Carried from Natural Stream	Av. Daily Amt. in Sec. Ft.	No. Acre Ft. Used by Canal
43	11-15	192	79.40	32,878
44	11-10	56	338.00	39,777
54	8-25	47	151.85	14,581
55 and 56				
57	10-30	65	205.21	45,231
58	10-20	71	840.48	139,458
Total	11-15	86	1,614.94	272,015

District No.	Total No. of Acres That Can Be Irrigated	Alfalfa	Natural Grasses	Cereals	Market Gardens
43	5,015	.....	5,015	.....	..
44	27,071	10,438	5,117	1,256	..
54	8,801	835	4,765	587	..
57	16,493	1,580	10,862	39	..
58	71,171	1,057	43,134	3,526	16
Total	128,551	13,910	68,893	5,408	16

District No.	Potatoes	Pasture	Spinach	Lettuce	Flax
43	15	70	....	....	..
44	21	....	....	....	..
54 .....	....	....	....	....	..
57	150	7,033	2,300	445	20
58	186	7,103	2,300	445	20
Total	186	7,103	2,300	445	20

Dist. No.	Berries	Total Irrigated	Remarks
43		5,015	About 10% of ditches and acreage irrigated are reported Commissioner reports, heavy precipitation until early June, balance of season extremely dry.
44		16,896	Nearly complete report of all used ditches the past season.
54		6,208	Nearly complete report of all used ditches the past season.
57		12,481	Complete report on all adjudicated ditches.
58	51	57,732	Complete report on all adjudicated ditches.
Total	51	98,332	

TABULATION WATER COMMISSIONER'S ANNUAL RESERVOIR REPORT, 1944

District No.	No. Reservoirs in District Reported	Area of High Water Line, Acres	Capacity in Cubic Feet	Quantity of Water in Reservoir May 1st, Cu. Ft.
43	No Report on Reservoirs.			
44	4	...	37,450,482	32,832,764
54	2	32	18,791,232	9,628,348
57	18	358	159,986,786	92,464,207
58	11	422	417,257,990	239,627,254
Totals	35	812	633,486,490	373,552,573

District No.	Quantity of Water in Reservoir Nov. 1st, Cu. Ft.	First Day Water Used	Last Day Water Used	Av. No. Days Water Carried
44 .....	....	6-20	10-20	55
54	1,055,736	7-16	8-3	18
57 .....	....	5-30	9-22	48
58	109,169,698	6-10	10-21	27
Totals	110,225,434	5-30	10-21	37

District No.	Average Daily Amount of Water Carried in Cu. Ft.	No. Acre Feet of Water Carried	Alfalfa	Natural Grasses	Cereals
44.....	9.00	859.00	46	300	...
54.....	8.70	312.80	...	...	...
57.....	11.56	1,209.50	230	325	...
58.....	49.36	3,762.00	...	135	79
Totals.....	62.62	6,143.30	301	760	79

District No.	Market Garden	Spinach	Lettuce	Pasture	Total Irrigated
44.....	...	...	...	...	...
54.....	...	...	...	...	346
57.....	...	...	...	...	555
58.....	15	10	10	90	364
Totals.....	15	10	10	90	1,265

District No.	Remarks
44	
54	
57	Six reservoirs used for irrigation, eleven for stock-water only.
58	In addition to the acreage shown as irrigated by reservoir supply. There were 28 ditches supplied with supplemental water from these reservoirs, and such acreage appears in the ditch report.

ANNUAL REPORT—IRRIGATION DIVISION NO. 7 FOR THE YEAR 1943

Durango, Colorado

January 25, 1944

Mr. M. C. Hinderlider
State Engineer
Denver, Colorado

Dear Sir:

Herewith is submitted the annual report for Irrigation Division No. 7 for the irrigation season of 1943.

Respectfully yours,

J. R. WILLIAMS,
Irrigation Division Engineer.

Water Supply

As reported by the U. S. Department of Agriculture on April 1 and on May 1, 1943, the snow depths and water content on the San Juan and Dolores River Watersheds was as shown by the following table:

Watershed	Snow Depth			Water Content			Density		1943 Water Content in percent of Avg. 1942	
	8 Yr. Avg. Ins.	1942 Ins.	1943 Ins.	8 Yr. Avg. Ins.	1942 Ins.	1943 Ins.	Avg. Percent	1943 Percent		
San Juan										
Apr. 1, '43..	42.7	43.6	36.9	15.0	14.8	14.2	35	38	95	96
San Juan										
May 1, '43..	27.8	36.9	14.5	12.4	14.7	7.3	45	50	59	50
Dolores										
Apr. 1, '43..	38.8	40.8	43.1	12.4	11.8	14.8	32	34	119	125
Dolores										
May 1, '43..	13.3	19.9	3.9	5.0	7.0	1.8	38	46	36	26

On the first of April the average snow depth was determined from seven courses on the San Juan and from four on the Dolores. As of May 1st there was no snow at two courses on the San Juan.

The rapid depletion of the visible water supply in form of snow at high elevations during April was most unusual. From a very favorable outlook the condition changed to an adverse outlook early in May. It will be noted from the above table, particularly on the Dolores, that the change in relation to average was from 119 to 36 percent. The water content from 14.8 to 1.8 inches. This unusual situation was the result of excessive temperatures during the last half of April. The maximum at Durango during this period was 80 degrees. The average was seven degrees above normal for the month. Precipitation was about fifty percent of normal. The dry, warm period

during the last half of April and continuing to May 4th caused rapid melting of snow. Excessive runoff did not occur since a large percent of the surface supply was absorbed in replenishing the ground water tables which had become badly depleted during the summer and fall of 1942.

Peak flows occurred on all streams during the first week of May which was about thirty days early for peak flow from snow melt. The high flow was not excessive and below the average flood peak. The total runoff from April through October was about average.

Precipitation was above average for all months of the growing season with the exception of September which was dry. Rains were not of sufficient intensity to cause floods as usually occur during the summer months.

Crops

There was some benefit from the warm spell in April. Forage crops obtained a good start. Grass was ample for live-stock on the ranges earlier than usual. There was however considerable damage in the farming areas. Fruit trees bloomed and alfalfa started a good growth, but on the 8th and 9th of May and again on the 17th and 18th the temperature at Durango fell to twenty-two degrees. Fruit crops were frozen and lost as far south as Farmington, New Mexico. There were some favored localities not seriously damaged such as the Hermosa area near Durango and the Lebanon district north of Cortez.

Alfalfa came out and made good crops after recovery from the heavy freeze. Considerable areas were cut to allow new growth. Yield of grain was slightly below the average as a whole because of the inability to properly prepare the soil for fall planting, owing to the extreme dry spell in the late summer and fall of 1942. Bean and potato crops were fifty percent above normal. However, considerable potato acreage was lost in the late fall due to a heavy freeze in late October. Wet conditions kept the tubers from maturing until late October when a heavy snow and freeze came which prevented harvest. Such losses occurred at elevations above seven thousand feet and was confined to Mancos and Dolores areas. Total irrigated acreage decreased three thousand acres from the amount reported by water commissioners in 1942.

Montezuma County received the "E" award for increased food production. This was result of increased acreage in beans in the large dry farm area and a favorable crop yield.

Use of Water

A total of 515,510 acre feet was diverted from the natural streams which was 43,000 acre feet more than diverted in 1942. Gross diversions were 3.66 acre feet per acre. Exorbitant use

occurred in District 31 in the Pine River District where natural flow was supplemented by storage in the Vallecito Reservoir. Gross duty in this district from stream and storage was 5.3 acre feet. This was the second year of operation of this large reservoir and the first season in which a charge was made against the lands in the irrigation district for repayment. The assessment for repayment was seventy-two cents per acre. There is a long list of delinquents amounting to eighteen percent of the lands assessed. About sixty percent of total irrigable acreage in the district was irrigated. Studies and plans are being made by the Bureau of Reclamation of required facilities to supply all lands in the district and in addition the Florida Mesa Area in order to make beneficial use of the full capacity of the reservoir and to increase food production.

There was diverted 3,050 acre feet from the headwaters of Pine River to the Rio Grande by two canals.

To the Montezuma Valley there was diverted 112,500 acre feet from the natural stream which included 3,200 acre feet from Ground Hog Reservoir. 6,750 acre feet was used from Narraguinepp Reservoir. Gross duty was 4.0 acre feet. The Summit Reservoir Company used 8,600 acre feet on 4,670 acres. Gross duty of 1.83 acre feet, which is the highest duty recorded in the history of this project. It is worthy of note that the above figures are accurate in respect to the Summit Project. The water was measured and recorded and the land was measured.

Areas not having supplemental water from storage, with the exception of the La Plata area, had adequate diversions in total for the season but use was not balanced. The Mancos area diverted 3.4 acre feet per acre. The Florida Mesa area diverted 3.3 acre feet per acre. The period of shortage in such areas was during the months of July and September. Runoff from snow was adequate until July. Stream flow from rain during August was sufficient to meet all requirements.

Developments and Improvements

In general there was small activity in new construction or repairs because of lack of labor and material. The construction of Jackson Gulch Reservoir Dam near Mancos has started with use of conscientious objector labor under direction of the Bureau of Reclamation.

Feeder canals to the Ground Hog Reservoir were repaired in the fall of 1942 but earth movements and land slides again destroyed sections of both canals so that no water was run through them to the reservoir except through a short section of the Fish Creek Canal. Late in 1943 the necessary repairs and installations were made at the outlet of this reservoir in the outlet channel and measuring flume section so that the measuring flume will now function and records of release from storage will be obtained. An adequate measuring flume is also to be placed

at outlet of Narraguinepp Reservoir for the benefit of record and for administrative purposes.

At Bauer Lake Dam No. 1 the placing of earth blanket at lower side of main dam was nearly completed. It was found necessary to drain with tile the toe of the existing dam before new work was permitted.

Placing of earth fill and rock face at Weber Reservoir Dam near Mancos was not continued. The outlet gate was repaired to prevent leakage and the use of 144 acre feet was obtained. A study of material and cost to complete this dam was made by the F. S. A. Engineers and report made to owners who declined to enter into a contract with the F. S. A. to do the required work.

The Taylor Dam in the La Plata Mountains was restored in late fall to partial height. If ice does not again cause overtopping of the dam during winter the owner should obtain some small use from this reservoir during the next season.

A Conservation District is being formed in the La Plata District to enable that area to qualify under the Case Wheeler Act for construction of the Long Hollow Dam.

IRRIGATION DIVISION NO. 7

TABULATED STATEMENT OF WATER COMMISSIONER'S ANNUAL DITCH REPORTS, 1943

Dist. No.	Number of Priorities Reported	Amount Appropriated in S. F.	Capacity of Canals in S. F.	First Day Water Was Used From Natural Stream	Last Day Water Was Used From Natural Stream
29	No Report	*589	*639		
30	174	608	828	April 20	Nov. 15
31	54	685	1,020	April 18	Oct. 20
33	32	270	411	April 12	Nov. 2
34	73	829	897	April 15	Oct. 17
69	27	130	150	Mar. 24	Sept. 24
Totals	360	3,111	3,945	Mar. 24	Nov. 15

Dist. No.	Number Days Water Was Used From Nat. Stream	Average Daily Amt. Used in S. F.	Number of Acre Feet Used From Nat. Stream	Number of Acres That Can Be Irrigated	Crops Irrigated (Acres)		
					Alfalfa	Natural Grass	Cereals
29			*75,000	*43,000			
30	210	224	94,150	61,040	10,075	4,133	6,181
31	186	455	169,400	55,410	12,989	11,991	9,473
33	158	74	23,310	21,520	4,744	1,584	4,826
34	182	400	145,570	51,300	13,202	14,259	8,183
69	165	24	8,080	4,990	1,076	854	760
Totals	210	1,230	515,510	237,260	42,086	32,821	29,423

Crops Irrigated (Acres)

District No.	Orchards	Market Gardens	Potatoes	Beans	Other Crops	Total Number Acres Irrigated
29						*25,000
30	609	4	333	330		21,665
31	202	96	73	6	1,367	36,197
32						*3,000
33	47	104	83		82	11,470
34	841	8	1,051		3,025	40,569
69	21		40		95	2,846
Total	1,720	212	1,580	336	4,569	140,747

*Estimated by Division Engineer. No report by Water Commissioner.

TABULATION OF WATER COMMISSIONER'S ANNUAL RESERVOIR REPORTS, 1943

District No.	Number of Reservoirs in District	Area of High Water Line (Acres)	Capacity in Acre Feet	Amount in Storage May 1, (A. F.)	Amount in Storage Nov. 1, (A. F.)
29	3		620	620	0
30	3	899	*25,390	5,160	10,770
31	2	3,077	128,050	61,740	48,470
33	1	35	576	576	0
34	7	978	16,130	14,750	290
69	2	672	21,810	9,340	13,490
Total	18	5,661	192,576	92,186	73,020

*Includes 24,000 A. F. stored at Cascade Dam and used for power only.

District No.	First Day Water Was Used from Storage	Last Day Water Was Used from Storage	Number of Days Water Was Used	Average Daily Amount Used (S. F.)	Amount Used in Acre Feet
30	July 20	Sept. 12	16	10	320
31	May 1	Oct. 1	153	520	**159,200
33	June 22	Aug. 18	21	10	415
34	Apr. 20	Oct. 7	154	56	17,180
69	July 8	Oct. 17	76	22	***3,310
Total	Apr. 20	Oct. 17	154	586	180,425

Crops Irrigated (Acres)

District No.	Alfalfa	Natural Grasses	Cereals	Orchards	Market Gardens	Potatoes	Beans	Other Crops	Total
30	150	.....	150	15	.....	10	.....	.....	325
31	12,680	11,201	9,335	202	.....	72	6	1,367	34,863
33	184	.....	60	9	28	2	.....	.....	283
34	2,375	627	2,119	238	.....	170	747	.....	6,276
69	30	10	50	.....	.....	.....	.....	.....	90
Total.	15,419	11,838	11,714	464	28	254	753	1,367	41,837

**Total amount delivered through Vallecito Reservoir to Project. Estimated by Bureau of Reclamation that 27,190 ac. ft. was from storage.

***Includes 3,220 ac. ft. released from Ground Hog Reservoir and used in District 34.

ANNUAL REPORT—IRRIGATION DIVISION NO. 7 FOR THE YEAR 1944

Durango, Colorado
December 18, 1944

Mr. M. C. Hinderlider,
State Engineer,
Denver, Colorado.

Dear Sir:

Herewith is submitted the annual report covering activities in Irrigation Division No. 7 for the irrigation season of 1944.

Respectfully,

J. R. WILLIAMS,
Irrigation Division Engineer.

Water Supply

The accumulation of snow on the several watersheds during the winter and early spring this year gave promise of an abundant supply for irrigation. Reports by the U. S. Department of Agriculture as applying to this area gave the following figures on snow depth and water supply or content:

April 1st—San Juan—Snow 51 ins., Water content 18.3 ins.

Water content was 118 percent of average. On the Dolores the snow and water were respectively, 43.5 and 13.9 ins. or 111% of mean.

As of May 1st the figures on the San Juan were 58.0 and 22.8, 169% of the average and an increase of 3.5 ins. of water during April. On Dolores, 47.9 and 15.5, an increase of 1.6 ins. of water and 430 percent of mean water content for that date.

Thus it appeared that this area was well fixed for irrigation supply and also that there existed a potential flood hazard from melting snow should weather conditions develop to cause quick runoff. From the following table of discharge of the Animas River at Durango during the April-September period it will be noted that there was excess flow from May through July. Conditions of runoff through the area were similar to those of the Animas although the flow of small streams became depleted earlier than indicated by the table of Animas at Durango.

ANIMAS RIVER AT DURANGO
MONTHLY DISCHARGE IN ACRE FEET

Year	Month						Total
	April	May	June	July	August	September	
1944	36,930	209,900	268,900	117,700	31,170	15,370	679,970
Mean	60,440	157,680	181,820	76,600	38,330	33,120	547,990
% of Mean	61	133	148	154	81	46	124
1944							

Flood peaks were not excessive. Maximum at Durango was about 7,000 second feet. There was considerable flood damage to irrigation structures on the Mancos and Dolores Rivers. After the flood peak of about 1,200 second feet at Mancos on May 15-16 there were no dams nor headgates remaining for diversion of water for irrigation. This presented a serious problem because of lack of labor to restore such structures. There was some assistance given by county and government agencies which enabled most ditches to build necessary though temporary works. The situation was similar in respect to small canals taking water from the Dolores River.

Precipitation

TABLE

Month	Durango		Fort Lewis		(Station) Cortez		Ignacio		Pagosa Springs	
	Ins	Dep.	Ins	Dep.	Ins	Dep.	Ins	Dep.	Ins	Dep.
April	2.63	+1.13	2.64	+1.24	2.70	+1.21	1.32	+0.08	2.70	+0.92
May	1.25	+0.16	1.50	+0.48	1.20	+0.30	1.12	+0.19	0.52	-0.85
June	0.36	-0.47	0.31	-0.50	0.81	+0.20	0.41	-0.51	0.29	-0.84
July	1.26	-0.76	*2.57	+0.38	0.77	-0.89	1.81	-0.15	1.08	-1.46
Aug.	0.61	-1.52	1.28	-0.98	0.57	-1.19	0.41	-1.73	1.59	-0.97
Sept.	1.44	-0.54	1.87	-0.11	0.91	-0.93	1.27	-0.43	0.78	-1.36
Total	7.55	-2.00	10.17	+0.51	6.96	-1.30	6.34	-2.55	6.96	-4.56

*Severe local hail.

It will be noted from the preceding table that extreme deficiencies in precipitation occurred generally over the area through the June-September period with most pronounced departure at Pagosa Springs.

Adequate natural flow continued generally until about the middle of July to meet all irrigation needs. It then became necessary to run water from storage.

There was used or diverted approximately five hundred thousand acre feet from natural flow and 187,000 acre feet from storage to irrigate 140,500 acres.

There was a good, practical example this year of the value of snow depth and water content studies as influencing the operation of reservoirs. On May 1st there was 38,000 acre feet in storage in the Vallecito Reservoir. It was desired to store only about 90,000 acre feet. The apparent snow depth and water content on the watershed indicated that total runoff through May, June and July would be about 250,000 acre feet. Hence it was necessary to pass a large amount of water through that period. About two thousand second feet was passed through the reservoir for a considerable period without damage to structures on the river and the reservoir served for storage of the required amount of water for irrigation and also for flood control.

Crops

Crop yields were only fair. First cuttings of alfalfa hay were generally good and in the Pine River area the second crop

was fair but in other districts the second crop of hay was not good and in many sections not worth cutting. This was due to unfavorable growing weather. The yield of small grain was below average. Compared with 1943 there was a decrease of alfalfa acreage, a large increase in native hay and pasture, a small increase in cereals, particularly wheat and oats, a decrease in potato acreage and a large increase in beans. Total irrigated acreage was about the same. All crops were adversely affected by the dry weather which commenced in June and continued through September. Temperatures were below normal, nights were cold and days windy throughout the summer.

Administration

There were no extraordinary conflicts as between water users and the administrative officials. Decrees were enforced strictly. There was a large amount of work required of the water commissioners and deputies which was done satisfactorily.

Repairs and New Work

Maintenance of diversion and irrigation structures has been neglected owing to the shortage of labor and materials. Only one new measuring flume was installed. That being a metal flume of Parshall Type on La Plata Irrigation Ditch at Hesperus.

Some repair work was done at Cascade Dam by the Western Colo. Power Co. This consisted of replacing sections of log cribbing, rock filled, and faced with two to three layers of fir plank or boards for a length of two hundred feet along the face of the dam and to an average depth of eighteen feet.

Only new work done was at Jackson Gulch Dam near Mancos where labor is done by conscientious objectors under supervision of the Bureau of Reclamation. Progress has been slow.

IRRIGATION DIVISION NO. 7

TABULATED STATEMENT OF WATER COMMISSIONER'S ANNUAL DITCH REPORT, 1944

Dist. No.	Number of Priorities Reported	Amount Appropri- ated in S. F.	Capacity of Canals in S. F.	First Day Water Was Used From Nat. Stream	Last Day Water Was Used From Nat. Stream	Number of Days Water Was Used
29	No Report	* 589	* 639			
30	174	608	829	May 1	Nov. 15	199
31	54	759	903	May 1	Nov. 5	189
33	32	269	406	Apr. 17	Sept. 30	167
34	73	796	865	Apr. 1	Oct. 31	214
69	27	69	80	Apr. 15	Oct. 4	131
Total	360	3,090	3,722	Apr. 1	Nov. 15	229

THIRTY-SECOND BIENNIAL REPORT

Dist. No.	Average Daily Amount in S. F.	Number of Ac. ft. Used From Nat. Stream	Number of Acres That Can Be Irrigated	Crops Irrigated (Acres)			
				Alfalfa	Natural Grass	Cereals	Orchards
29	.....	*75,000	*43,000	.....	.....	.....	.....
30	270	107,260	60,730	10,086	4,025	6,604	618
31	433	163,500	58,730	9,021	16,242	7,539	105
33	74	26,300	21,090	4,394	1,420	6,013	49
34	281	120,170	49,840	12,632	17,474	8,624	843
69	23	6,130	4,990	981	784	760	20
Totals	1,090	498,360	238,380	37,114	39,945	29,540	1,635

Crops Irrigated (Acres)							
Dist. No.	Gardens	Potatoes	Beans	Seed Crops	Idle	Other	Total
29	.....	.....	.....	.....	.....	.....	*25,000
30	7	304	410	.....	.....	.....	22,054
31	130	56	4	677	1,401	.....	35,175
33	103	59	.....	89	.....	.....	12,127
34	4	587	3,000	.....	.....	354	43,518
69	.....	15	.....	.....	.....	63	2,623
Totals	244	1,021	3,414	766	1,401	417	140,497

*Estimated by Division Engineer.

TABULATED STATEMENT OF WATER COMMISSIONER'S ANNUAL
RESERVOIR REPORTS, 1944

Dist. No.	Number of Reservoirs in Dist.	Area of H. W. L. in Acres	Capacity in Ac. Ft.	Amount in Storage on May 1st, Ac. Ft.	Amount in Storage Nov. 1st, Ac. Ft.	First Day Water Was Used	Last Day Water Was Used
29	3	41	620	620	.....	.....	.....
30	3	899	13,730	1,750	10,110	*Aug. 16	*Sept. 6
31	2	2,747	128,050	38,210	2,550	May 1	Oct. 31
33	2	45	620	620	0	June 24	Aug. 11
34	8	986	16,160	13,790	1,540	Apr. 14	Oct. 22
69	2	672	21,790	15,070	8,280	July 25	Sept. 30
Totals	20	5,390	180,970	70,060	22,480	Apr. 14	Oct. 31

*For irrigation only.

Dist. No.	Number of Days Water Was Used From Storage	Average Daily Amt. Used in S. F.	Number of Ac. Feet Used	Crops Irrigated (Acres)			
				Alfalfa	Natural Grasses	Cereals	Orchards
30	15	10	*300	300	...	250	15
31	184	422	**155,500	...	...	...	...
33	19	11	400	256	...	71	11
34	130	65	16,910	2,498	715	1,903	237
69	67	103	***13,760	...	...	...	...
Totals	184	508	186,870	3,054	715	2,224	263

*For irrigation only. 29,100 acre feet also used for power.

**Total release to stream and used for same acreage as reported under ditches.

***Includes 13,710 acre feet released from Ground Hog Res. and used in Dist. 34 for acreage reported under Main Canals.

Dist. No.	Crops Irrigated (Acres)				
	Gardens	Potatoes	Beans	Seed Crops	Total
30	..	15	580
31
33	28	5	371
34	..	113	714	...	6,180
69
Totals	28	133	714	...	7,131

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